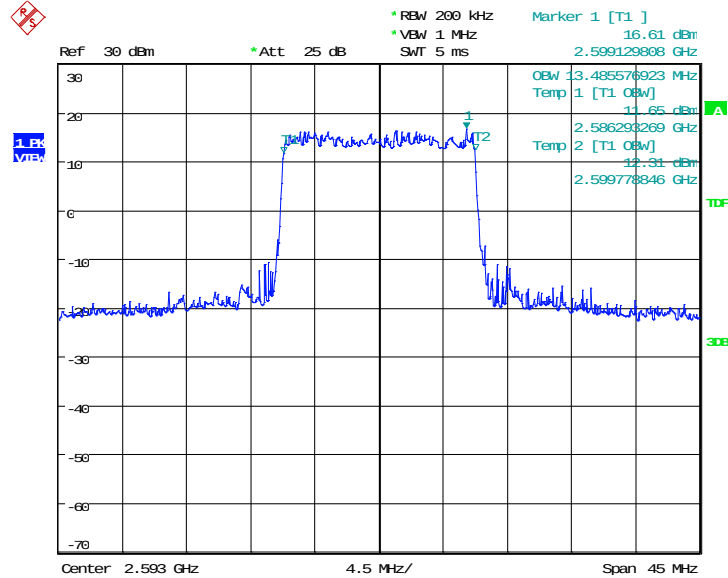


LTE band 41, 15MHz (99% BW)

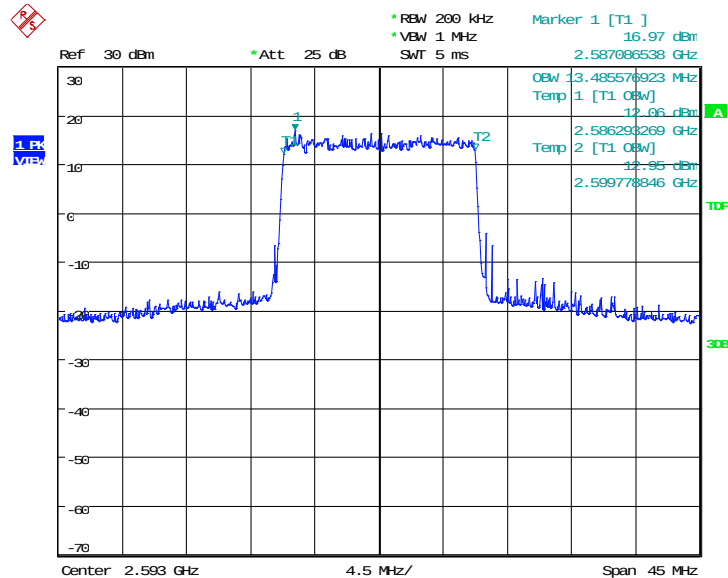
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	13485.58	13485.58	13485.58

LTE band 41, 15MHz Bandwidth, QPSK (99% BW)



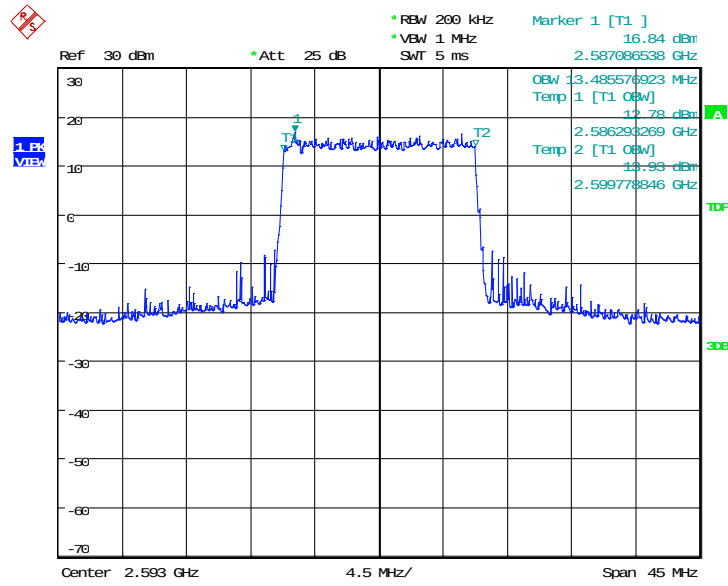
Date: 3.JUN.2019 11:42:42

LTE band 41, 15MHz Bandwidth, 16QAM (99% BW)



Date: 3.JUN.2019 11:42:56

LTE band 41, 15MHz Bandwidth, 64QAM (99% BW)

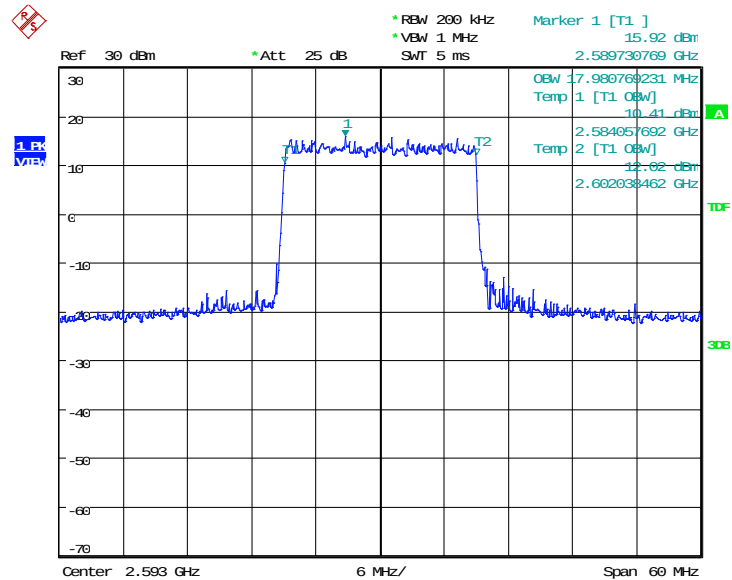


Date: 3.JUN.2019 12:29:44

LTE band 41, 20MHz (99% BW)

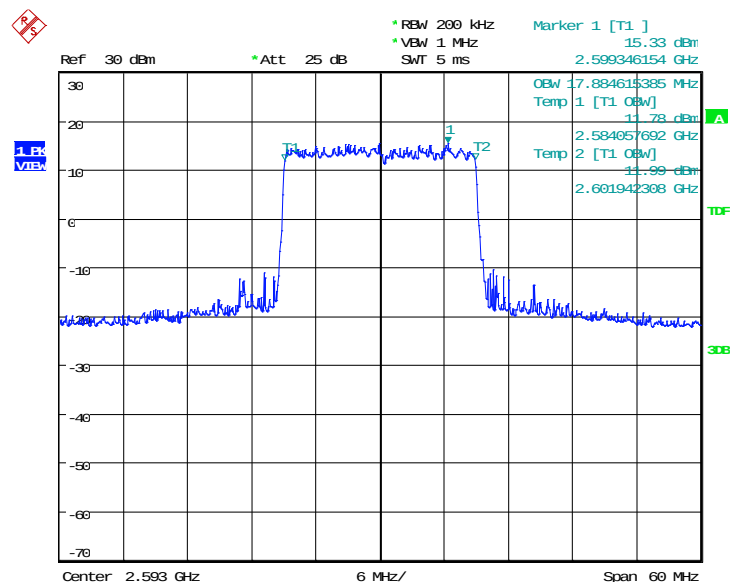
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	17980.77	17884.62	17980.77

LTE band 41, 20MHz Bandwidth, QPSK (99% BW)



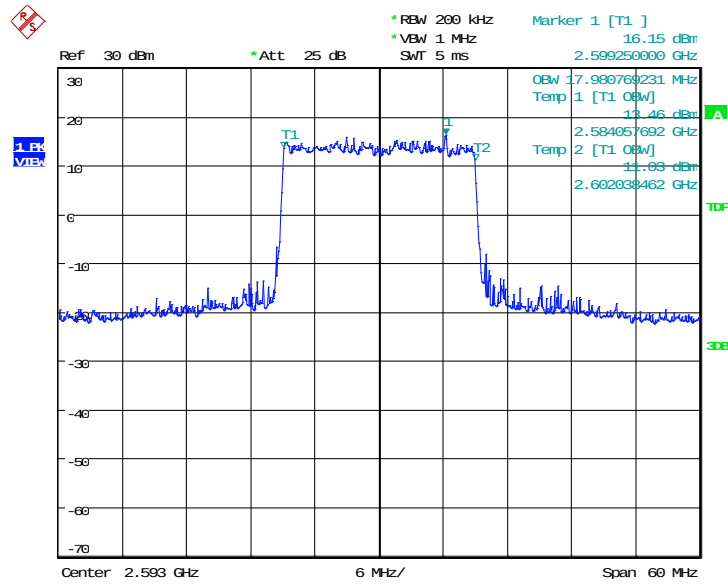
Date: 3.JUN.2019 11:45:50

LTE band 41, 20MHz Bandwidth, 16QAM (99% BW)



Date: 3.JUN.2019 11:46:04

LTE band 41, 20MHz Bandwidth, 64QAM (99% BW)



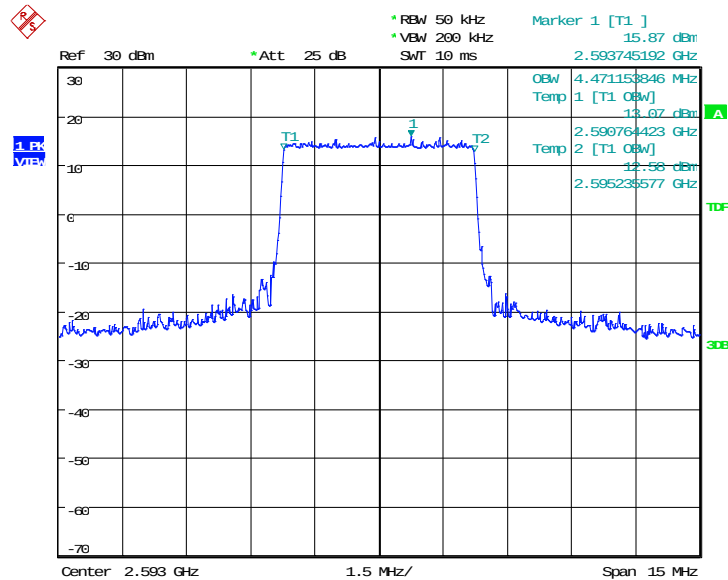
Date: 3.JUN.2019 12:32:18

HPUE

LTE band 41, 5MHz (99% BW)

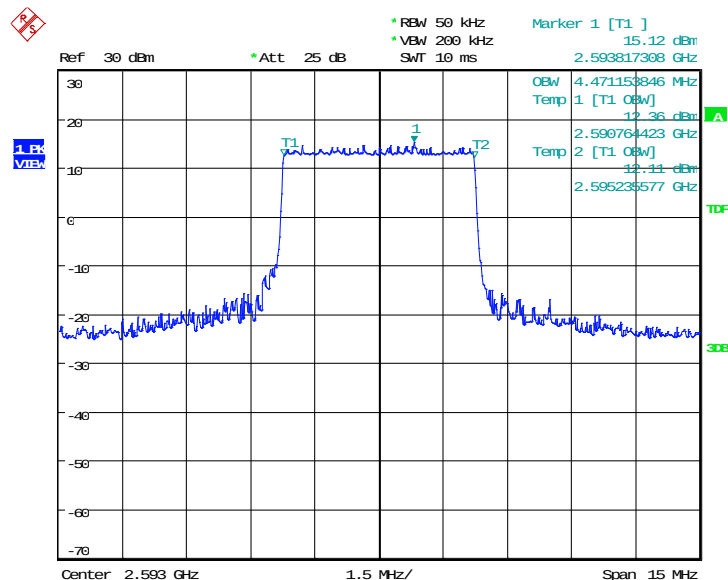
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	4471.15	4471.15	4471.15

LTE band 41, 5MHz Bandwidth, QPSK (99% BW)



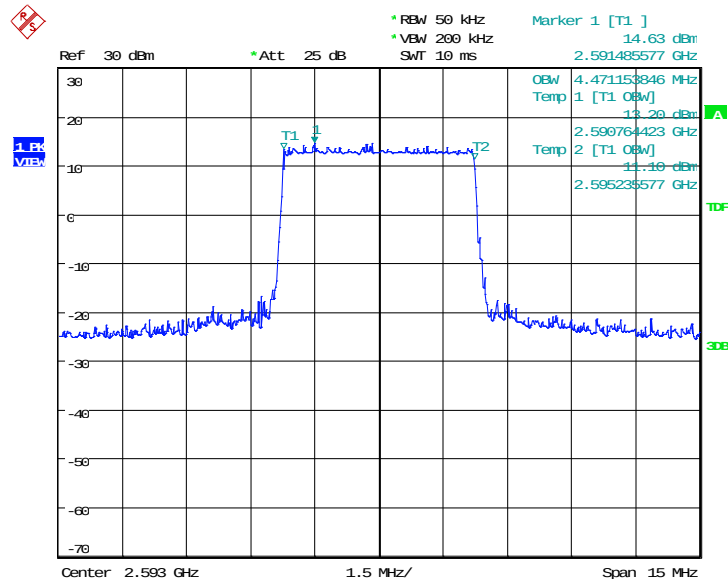
Date: 11. JUN. 2019 19:25:54

LTE band 41, 5MHz Bandwidth, 16QAM (99% BW)



Date: 11. JUN. 2019 19:26:42

LTE band 41, 5MHz Bandwidth,64QAM (99% BW)

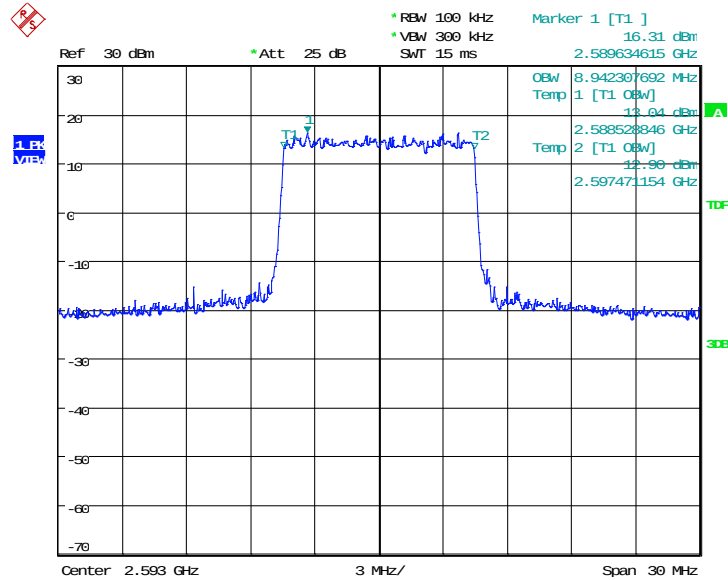


Date: 31.MAY.2019 16:03:10

LTE band 41, 10MHz (99% BW)

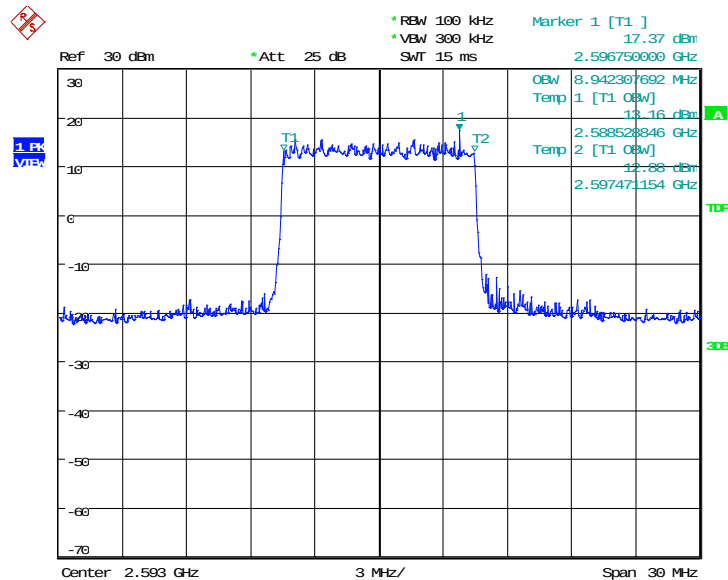
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	8942.31	8942.31	8942.31

LTE band 41, 10MHz Bandwidth, QPSK (99% BW)



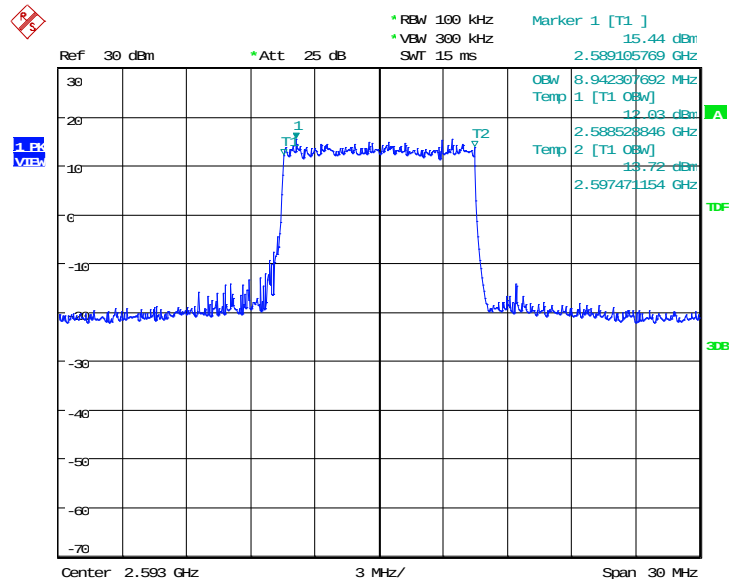
Date: 11. JUN. 2019 19:16:48

LTE band 41, 10MHz Bandwidth, 16QAM (99% BW)



Date: 11. JUN. 2019 19:17:42

LTE band 41, 10MHz Bandwidth, 64QAM (99% BW)

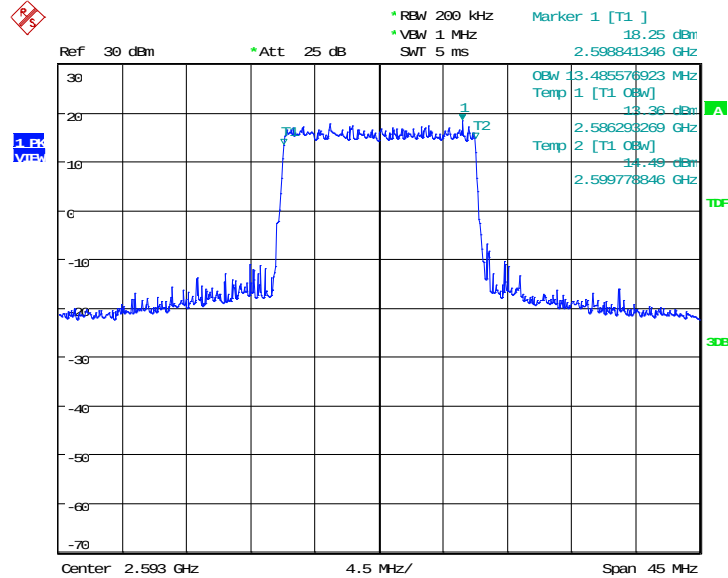


Date: 31.MAY.2019 16:05:43

LTE band 41, 15MHz (99% BW)

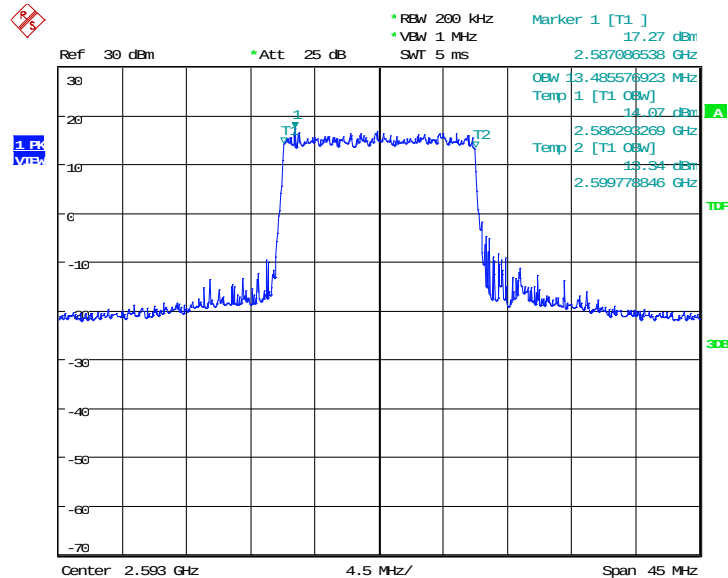
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	13485.58	13485.58	13485.58

LTE band 41, 15MHz Bandwidth, QPSK (99% BW)



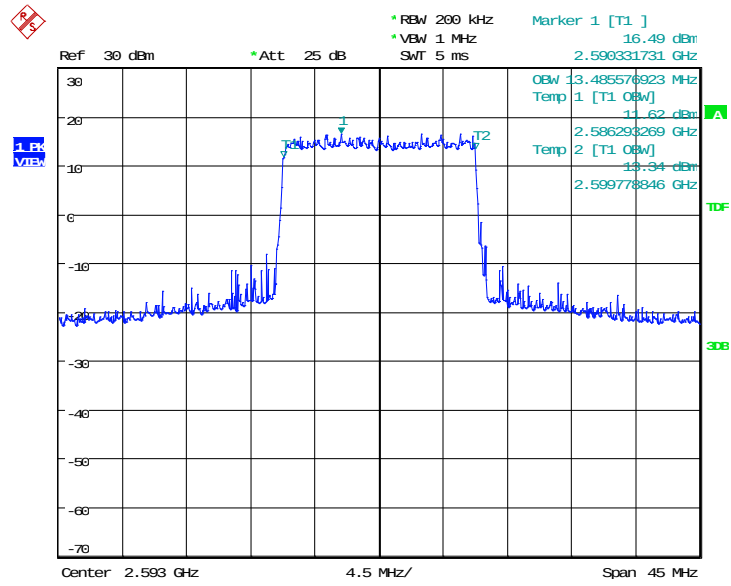
Date: 11. JUN. 2019 19:31:43

LTE band 41, 15MHz Bandwidth, 16QAM (99% BW)



Date: 11. JUN. 2019 19:32:17

LTE band 41, 15MHz Bandwidth, 64QAM (99% BW)

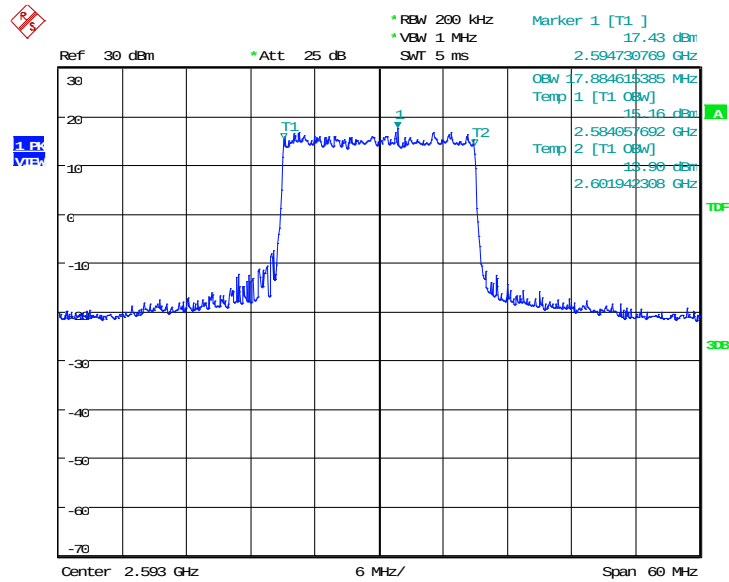


Date: 31.MAY.2019 16:08:16

LTE band 41, 20MHz (99% BW)

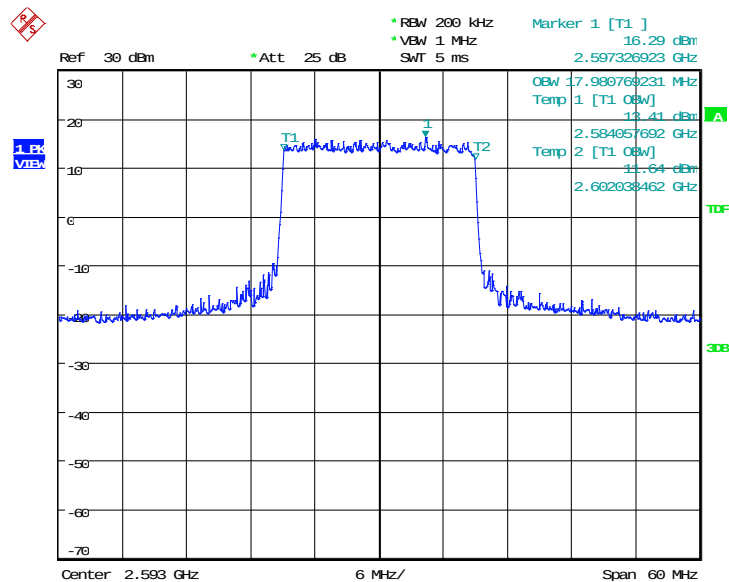
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	17884.62	17980.77	17980.77

LTE band 41, 20MHz Bandwidth, QPSK (99% BW)



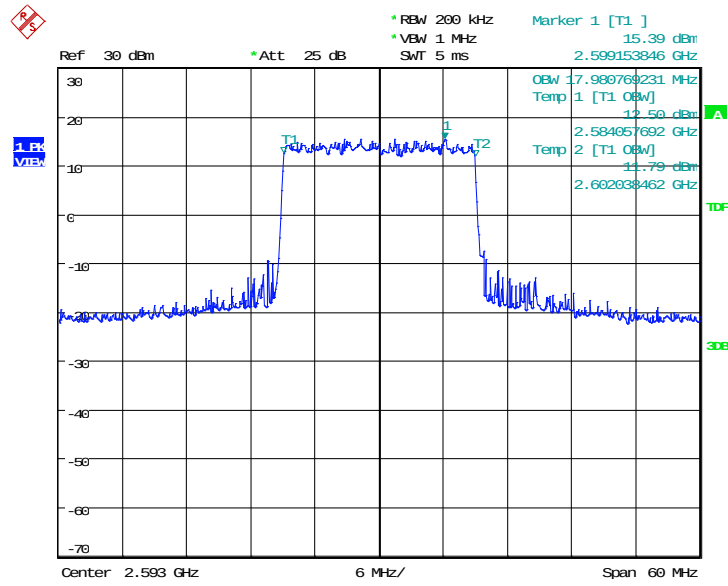
Date: 11. JUN. 2019 19:36:34

LTE band 41, 20MHz Bandwidth, 16QAM (99% BW)



Date: 11. JUN. 2019 19:37:13

LTE band 41, 20MHz Bandwidth, 64QAM (99% BW)

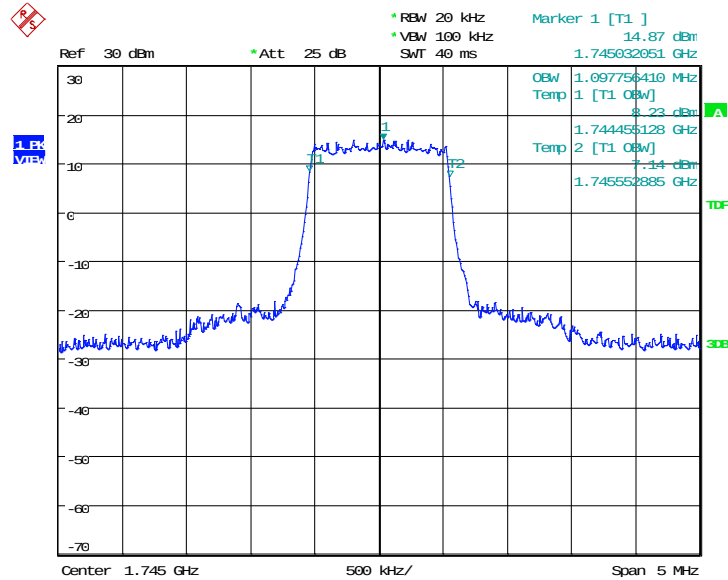


Date: 31.MAY.2019 16:10:50

LTE band 66, 1.4MHz (99% BW)

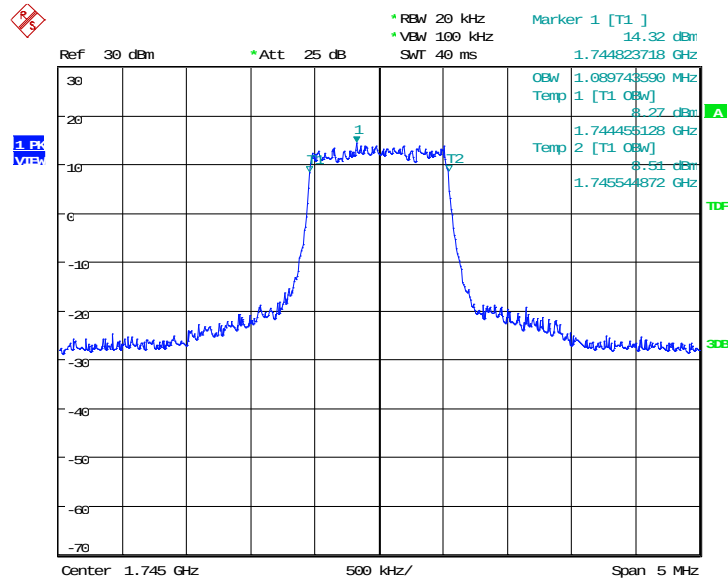
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1745.0	QPSK	16QAM	64QAM
	1097.76	1089.74	1089.74

LTE band 66, 1.4MHz Bandwidth, QPSK (99% BW)



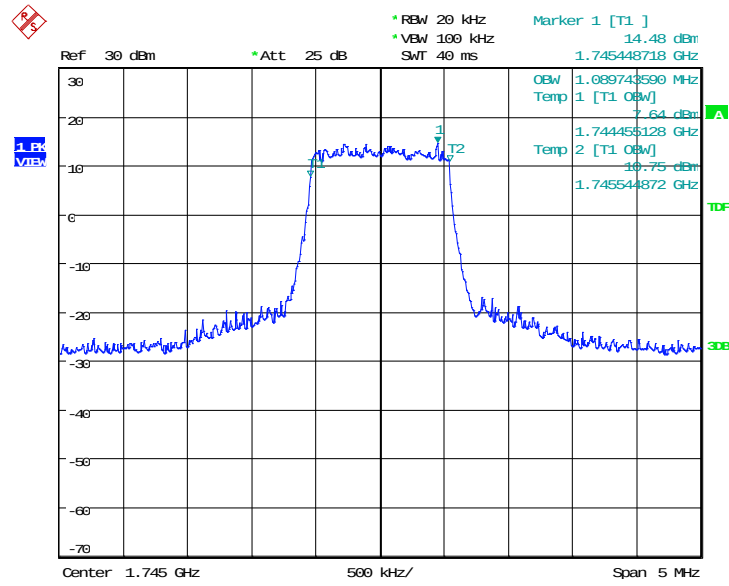
Date: 31.MAY.2019 19:14:22

LTE band 66, 1.4MHz Bandwidth, 16QAM (99% BW)



Date: 31.MAY.2019 19:14:36

LTE band 66, 1.4MHz Bandwidth, 64QAM (99% BW)

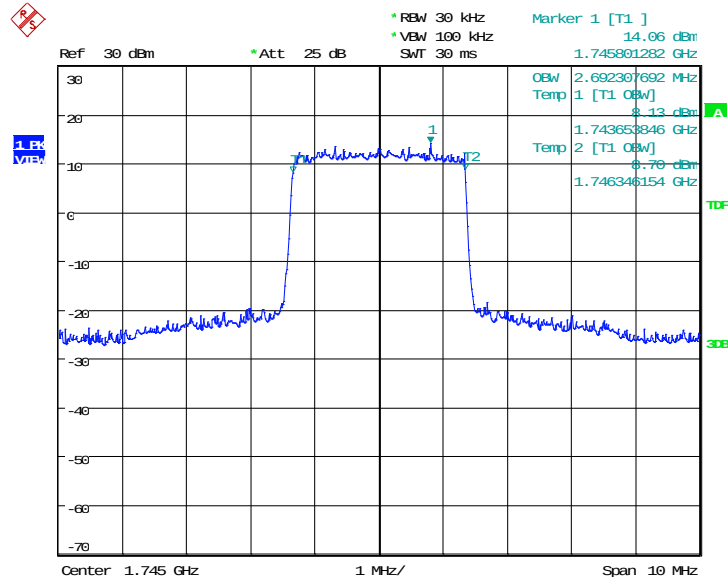


Date: 3.JUN.2019 07:29:18

LTE band 66, 3MHz (99% BW)

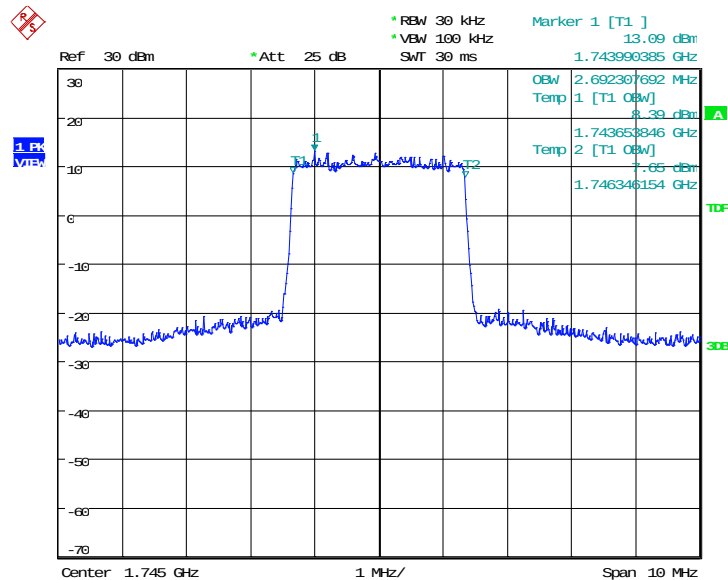
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1745.0	QPSK	16QAM	64QAM
	2692.31	2692.31	2676.28

LTE band 66, 3MHz Bandwidth, QPSK (99% BW)



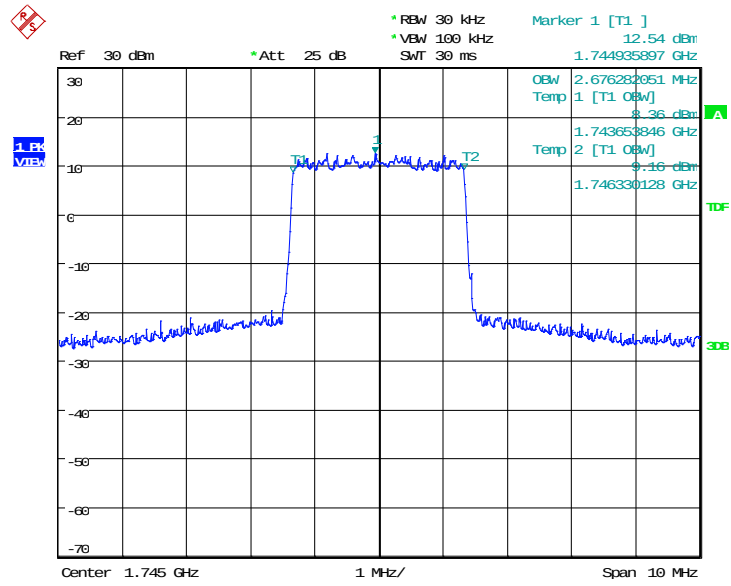
Date: 31.MAY.2019 19:17:30

LTE band 66, 3MHz Bandwidth, 16QAM (99% BW)



Date: 31.MAY.2019 19:17:44

LTE band 66, 3MHz Bandwidth, 64QAM (99% BW)

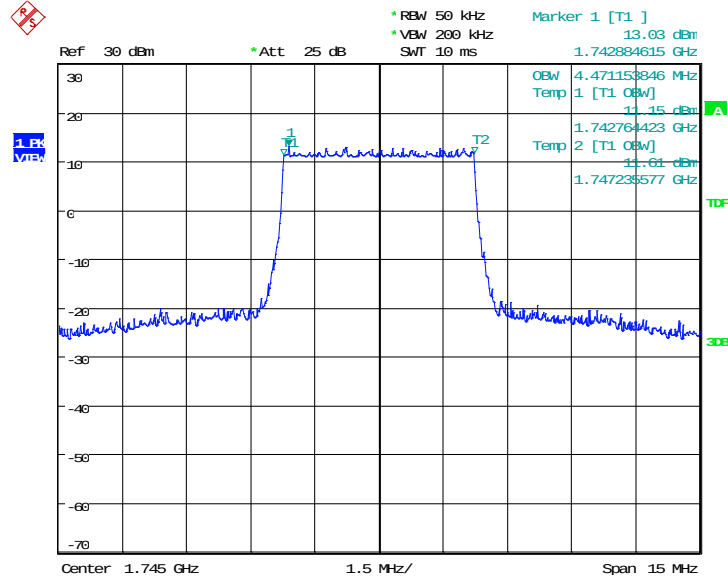


Date: 3.JUN.2019 07:31:51

LTE band 66, 5MHz (99% BW)

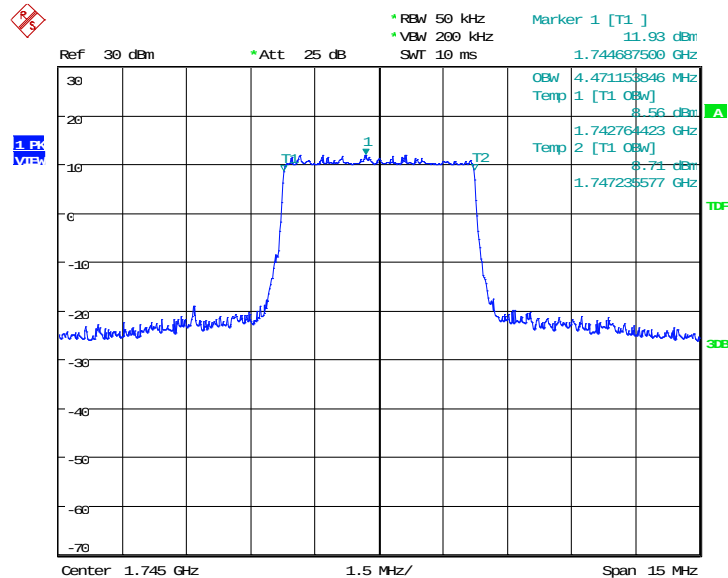
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1745.0	QPSK	16QAM	64QAM
	4471.15	4471.15	4495.19

LTE band 66, 5MHz Bandwidth, QPSK (99% BW)



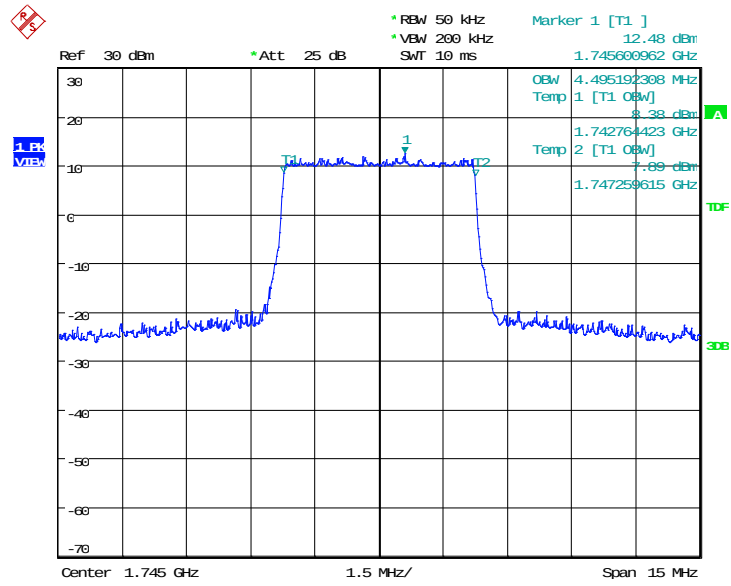
Date: 31.MAY.2019 19:20:39

LTE band 66, 5MHz Bandwidth,16QAM (99% BW)



Date: 31.MAY.2019 19:20:52

LTE band 66, 5MHz Bandwidth,64QAM (99% BW)

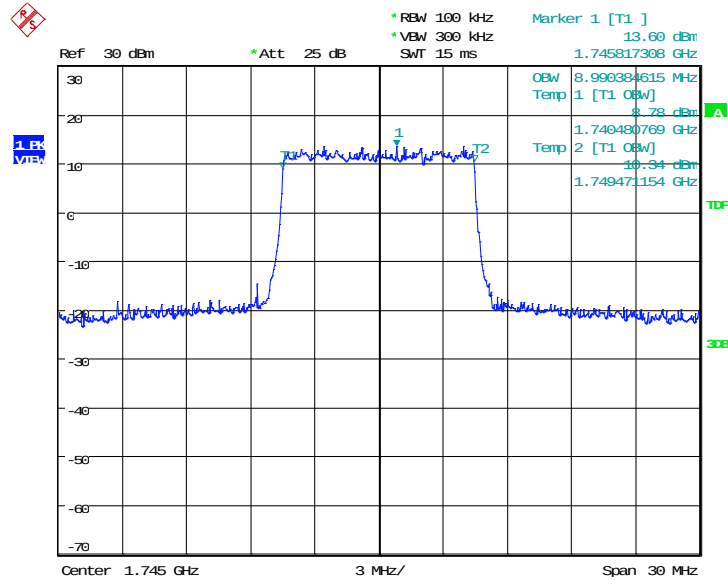


Date: 3.JUN.2019 07:34:24

LTE band 66, 10MHz (99% BW)

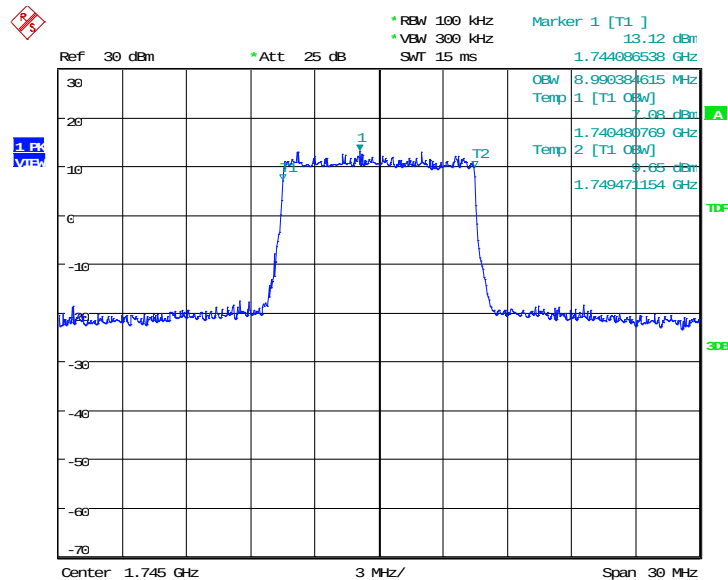
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1745.0	QPSK	16QAM	64QAM
	8990.38	8990.38	8990.38

LTE band 66, 10MHz Bandwidth, QPSK (99% BW)



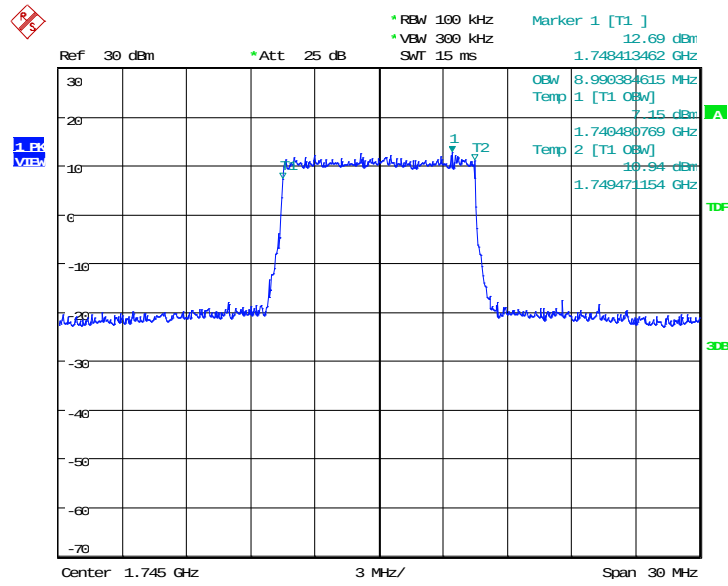
Date: 31.MAY.2019 19:23:47

LTE band 66, 10MHz Bandwidth, 16QAM (99% BW)



Date: 31.MAY.2019 19:24:01

LTE band 66, 10MHz Bandwidth, 64QAM (99% BW)

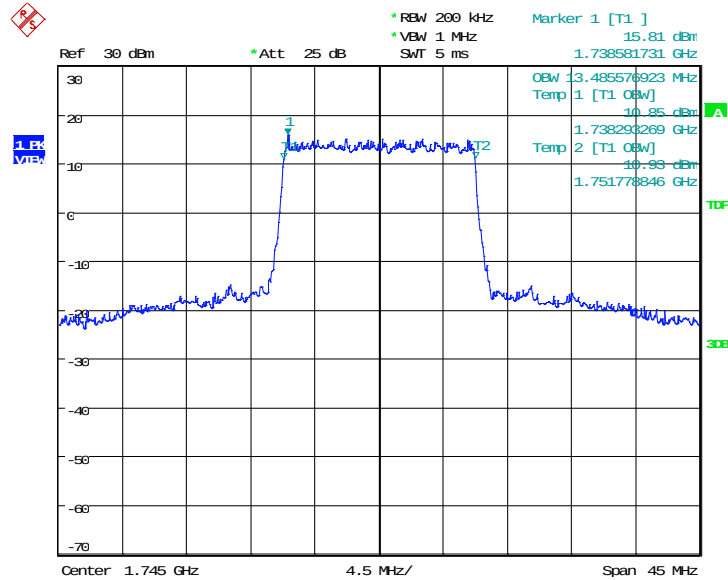


Date: 3.JUN.2019 07:36:56

LTE band 66, 15MHz (99% BW)

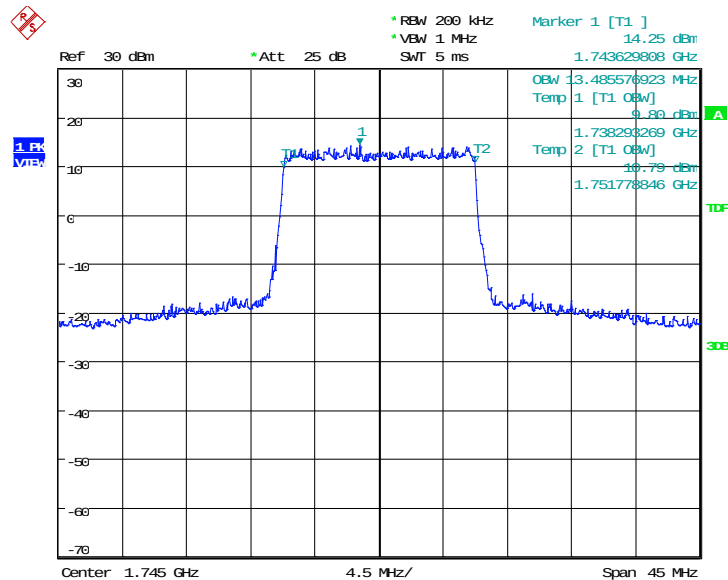
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1745.0	QPSK	16QAM	64QAM
	13485.58	13485.58	13485.58

LTE band 66, 15MHz Bandwidth, QPSK (99% BW)



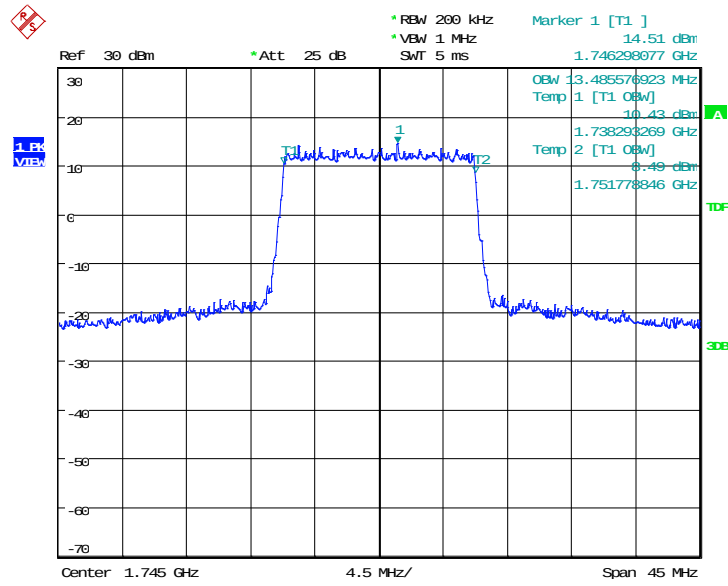
Date: 31.MAY.2019 19:26:55

LTE band 66, 15MHz Bandwidth, 16QAM (99% BW)



Date: 31.MAY.2019 19:27:09

LTE band 66, 15MHz Bandwidth, 64QAM (99% BW)

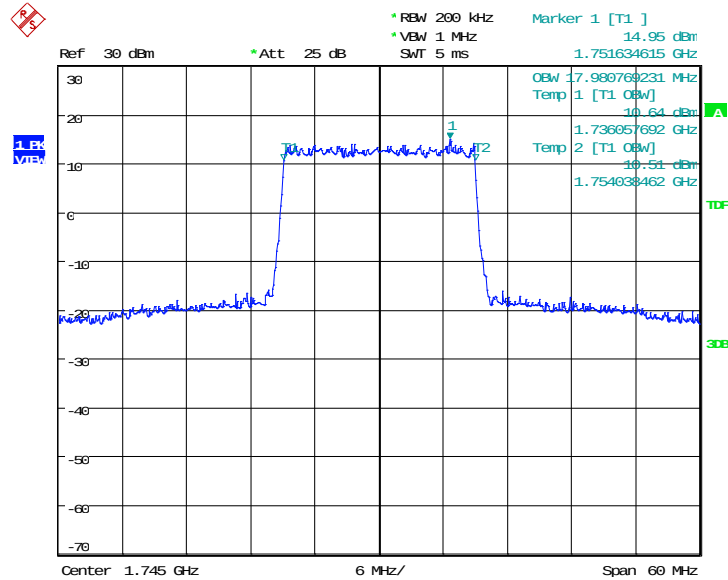


Date: 3.JUN.2019 07:39:29

LTE band 66, 20MHz (99% BW)

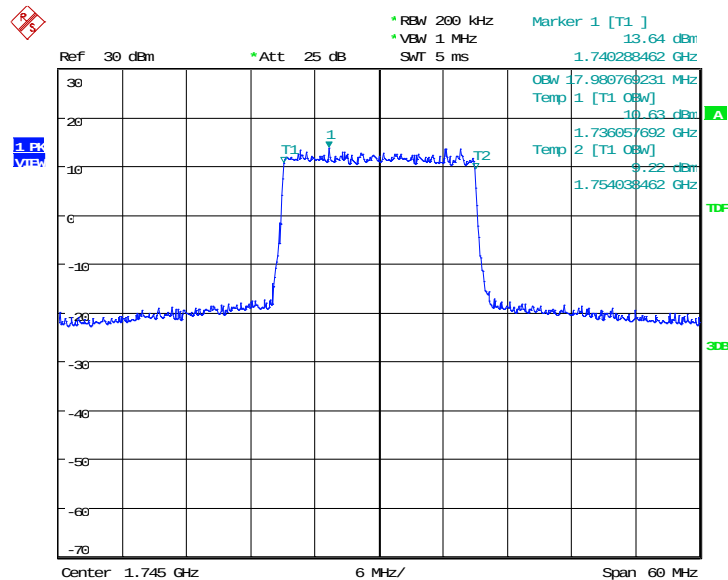
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1745.0	QPSK	16QAM	64QAM
	17980.77	17980.77	17884.62

LTE band 66, 20MHz Bandwidth, QPSK (99% BW)



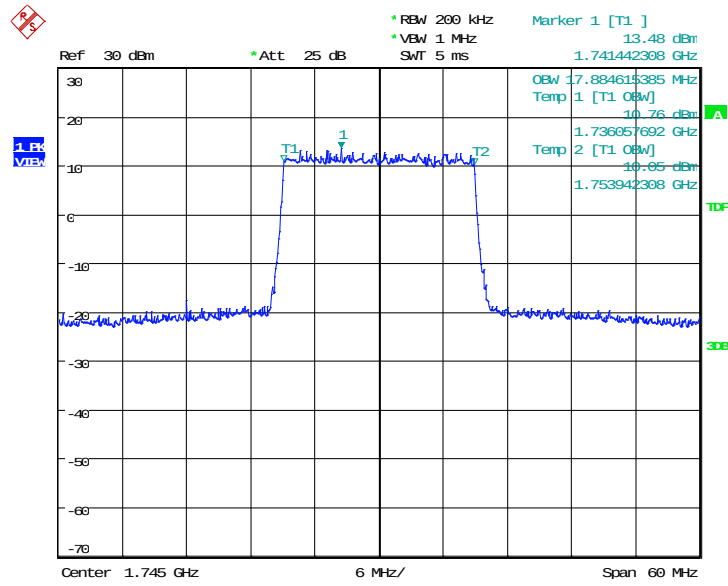
Date: 31.MAY.2019 19:30:04

LTE band 66, 20MHz Bandwidth, 16QAM (99% BW)



Date: 31.MAY.2019 19:30:18

LTE band 66, 20MHz Bandwidth, 64QAM (99% BW)

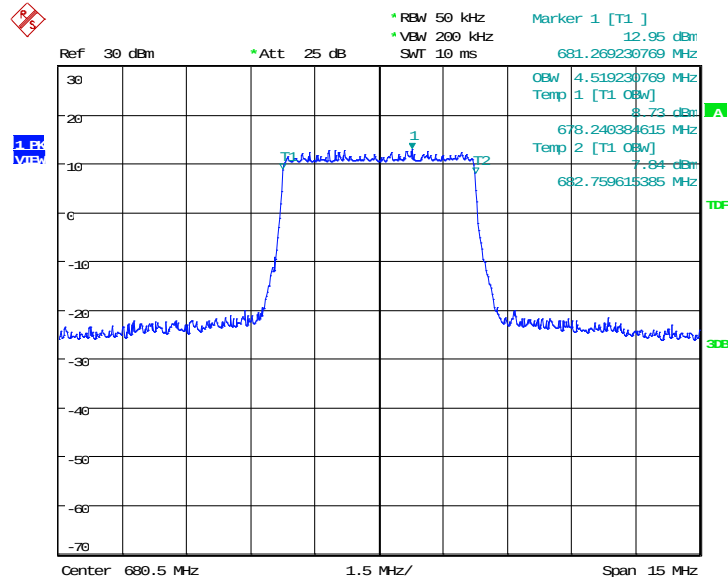


Date: 3.JUN.2019 07:49:02

LTE band 71, 5MHz (99% BW)

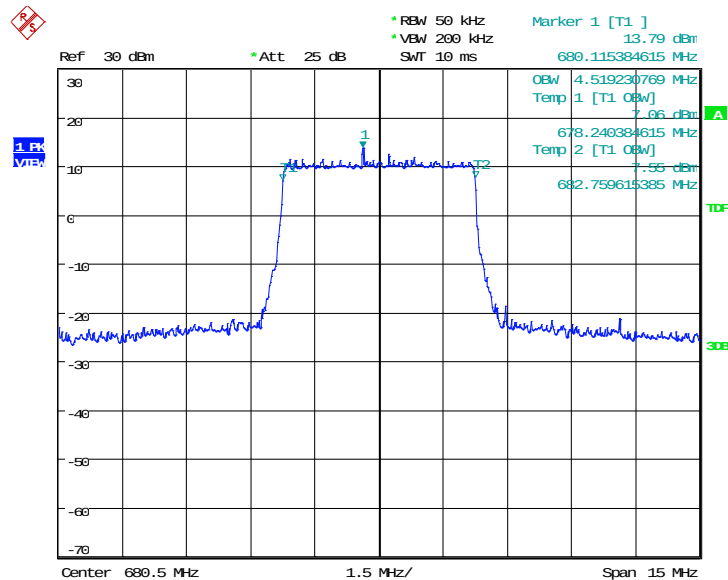
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
680.5	QPSK	16QAM	64QAM
	4519.23	4519.23	4495.19

LTE band 71, 5MHz Bandwidth, QPSK (99% BW)



Date: 10. JUN. 2019 13:26:38

LTE band 71, 5MHz Bandwidth, 16QAM (99% BW)



Date: 10. JUN. 2019 13:28:10

Ref 30 dBm Att 25 dB RBW 50 kHz VBW 200 kHz SWT 10 ms

Marker 1 [T1.] 12.16 dBm 680.139423077 MHz

OBW 4.495192308 MHz Temp 1 [T1 OBW] 8.38 dBm

678.264423077 MHz Temp 2 [T1 OBW] 6.28 dBm

682.759615385 MHz

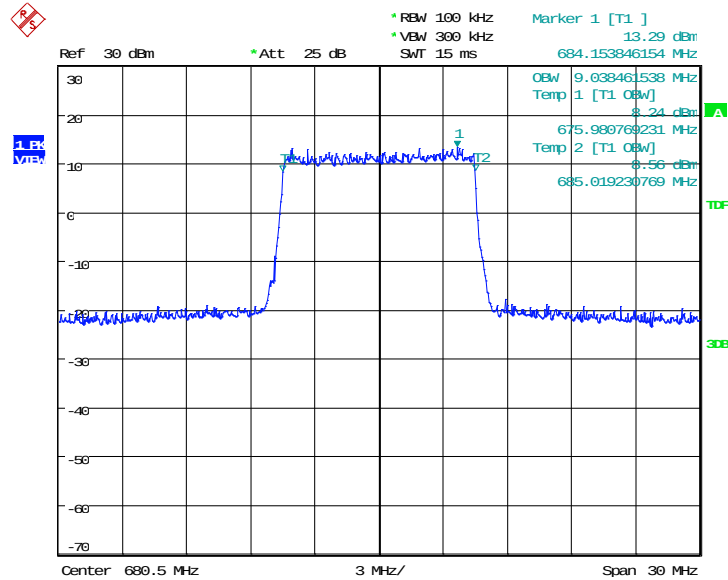
Center 680.5 MHz 1.5 MHz/ Span 15 MHz

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LTE band 71, 10MHz (99% BW)

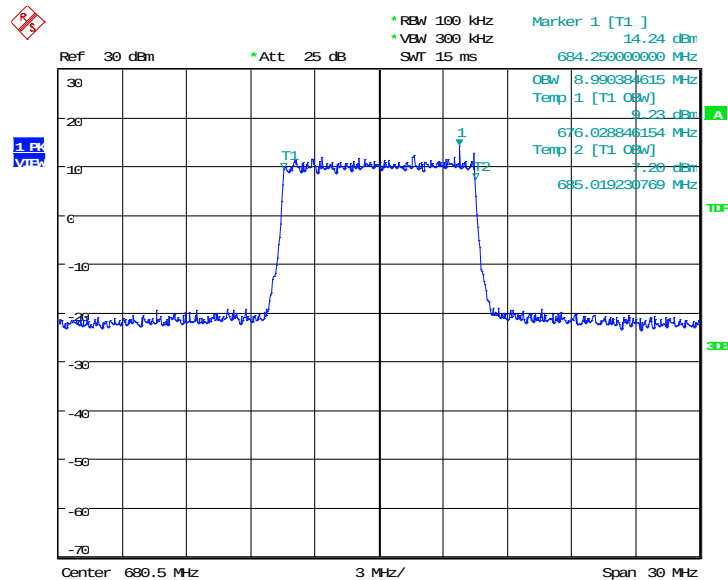
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
680.5	QPSK	16QAM	64QAM
	9038.46	8990.38	8990.38

LTE band 71, 10MHz Bandwidth, QPSK (99% BW)



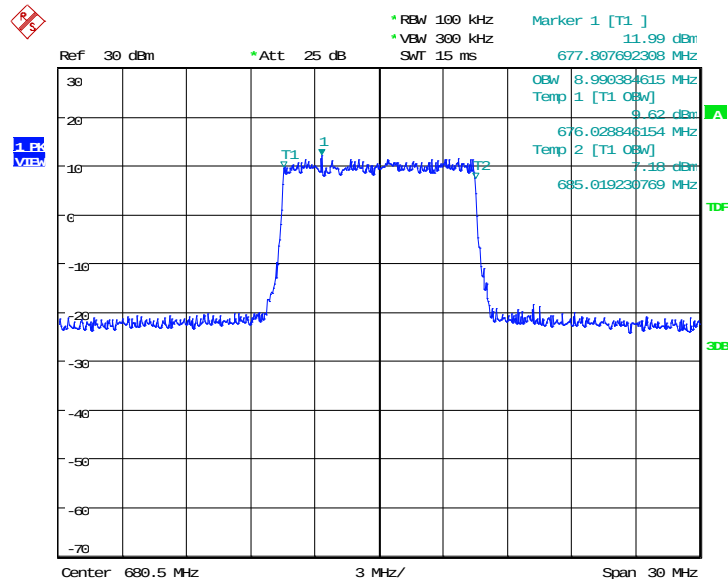
Date: 10. JUN. 2019 13:42:21

LTE band 71, 10MHz Bandwidth, 16QAM (99% BW)



Date: 10. JUN. 2019 13:41:49

LTE band 71, 10MHz Bandwidth, 64QAM (99% BW)

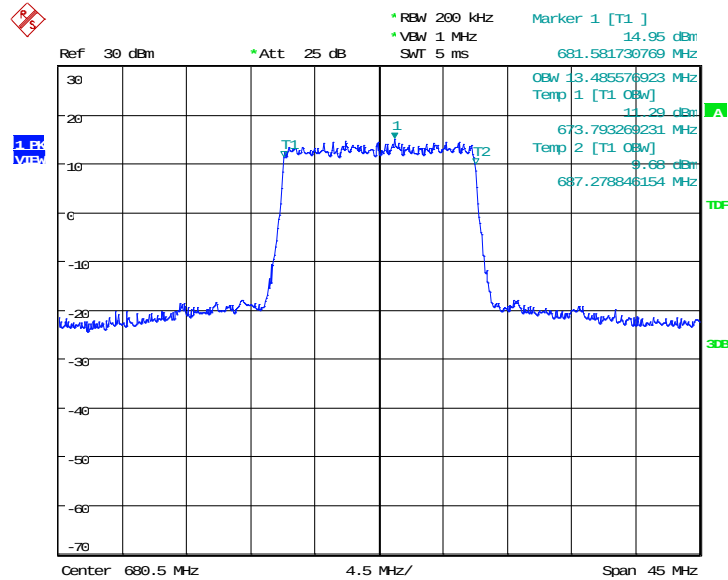


Date: 10.JUN.2019 13:41:27

LTE band 71, 15MHz (99% BW)

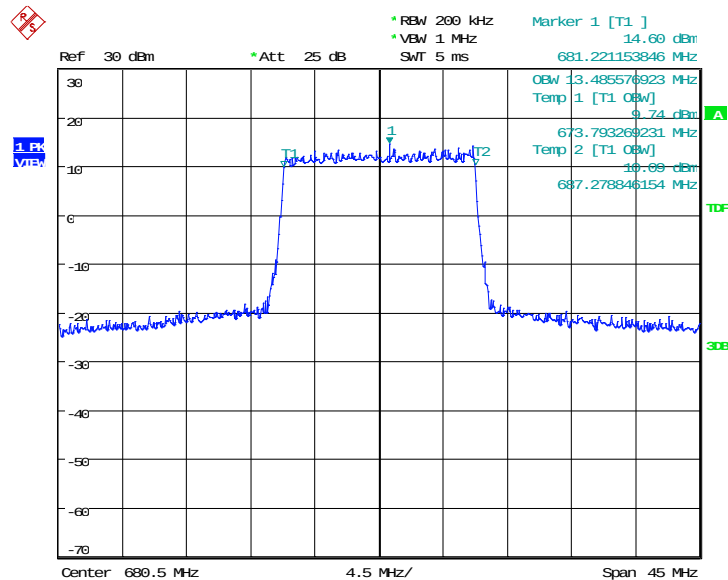
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
680.5	QPSK	16QAM	64QAM
	13485.58	13485.58	13485.58

LTE band 71, 15MHz Bandwidth, QPSK (99% BW)



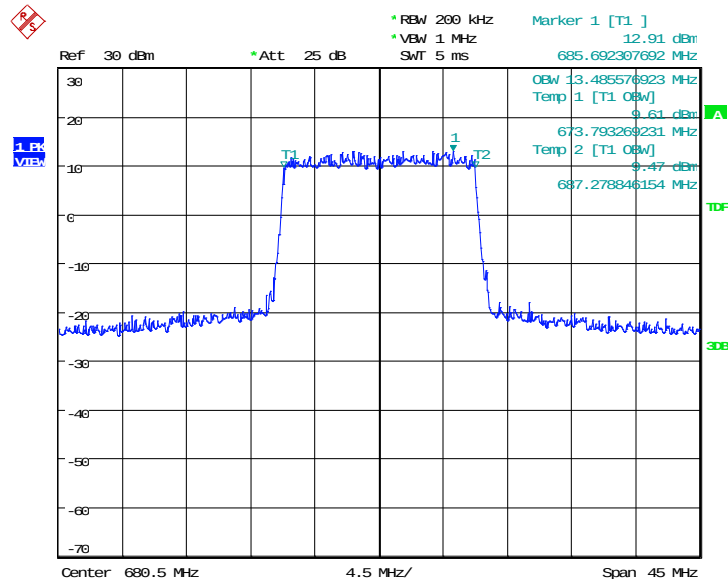
Date: 10.JUN.2019 13:44:05

LTE band 71, 15MHz Bandwidth, 16QAM (99% BW)



Date: 10.JUN.2019 13:44:35

LTE band 71, 15MHz Bandwidth, 64QAM (99% BW)

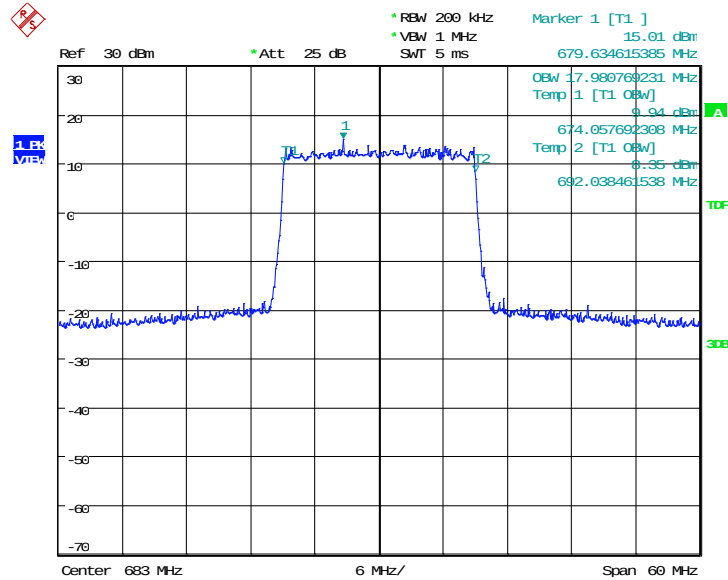


Date: 10.JUN.2019 13:44:53

LTE band 71, 20MHz (99% BW)

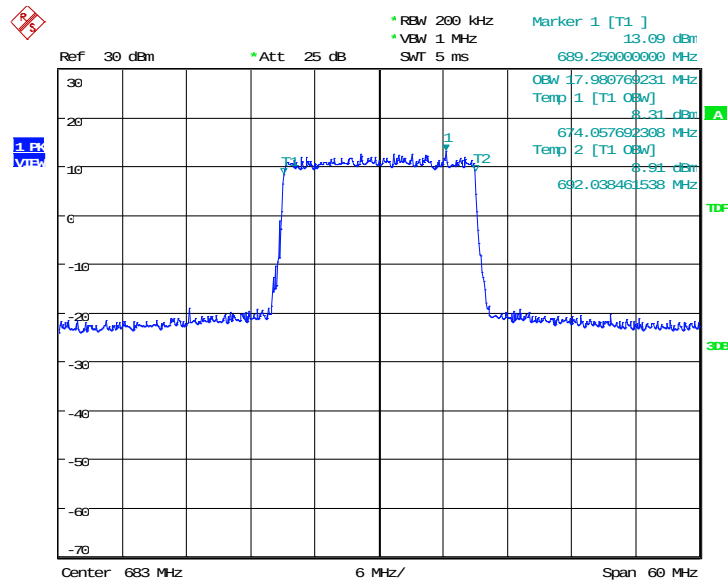
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
683.0	QPSK	16QAM	64QAM
	17980.77	17980.77	17980.77

LTE band 71, 20MHz Bandwidth, QPSK (99% BW)



Date: 10.JUN.2019 13:50:14

LTE band 71, 20MHz Bandwidth, 16QAM (99% BW)



Date: 10.JUN.2019 13:49:43

The screenshot displays a VectorStar spectrum analyzer interface. The main plot shows a signal with two markers, T1 and T2, indicating a frequency range from approximately 683 MHz to 692 MHz. The signal level is around -10 dBm. The plot is overlaid with a grid. The y-axis represents power in dBm, ranging from -70 to 30. The x-axis represents frequency in MHz, ranging from 683 to 692. The signal is a blue trace with a white peak at the center. The peak is labeled '1' with a green arrow. The signal is identified as 'T1' and 'T2' with green labels. The signal is identified as 'T1' and 'T2' with green labels. The signal is identified as 'T1' and 'T2' with green labels.

Ref 30 dBm

* Att 25 dB

* RBW 200 kHz

* VBW 1 MHz

SWT 5 ms

Marker 1 [T1.]

13.41 dBm

679.442307692 MHz

OBW 17.980769231 MHz

Temp 1 [T1 OBW]

8.44 dBm

674.057692308 MHz

Temp 2 [T1 OBW]

-1.17 dBm

692.038461538 MHz

Center 683 MHz

6 MHz/

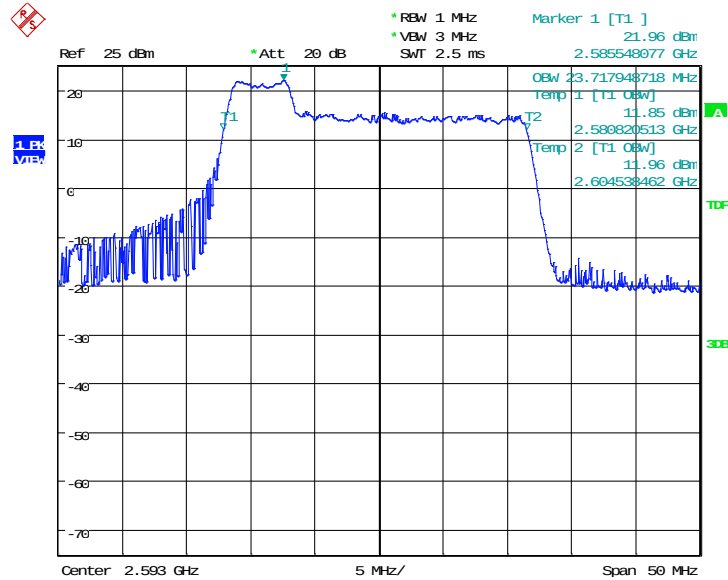
Span 60 MHz

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LTE Band CA_41C, 5MHz+20MHz (99% BW)

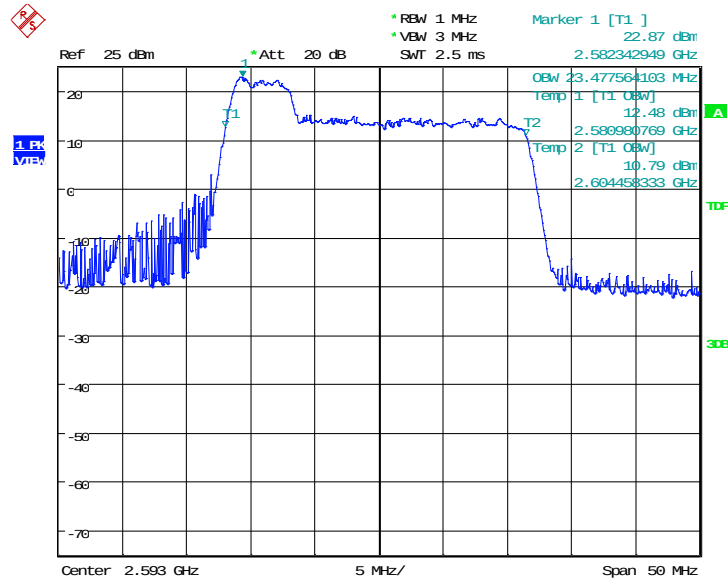
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	23717.95	23477.56	23477.56

LTE Band CA_41C, 5MHz+20MHz Bandwidth, QPSK (99% BW)



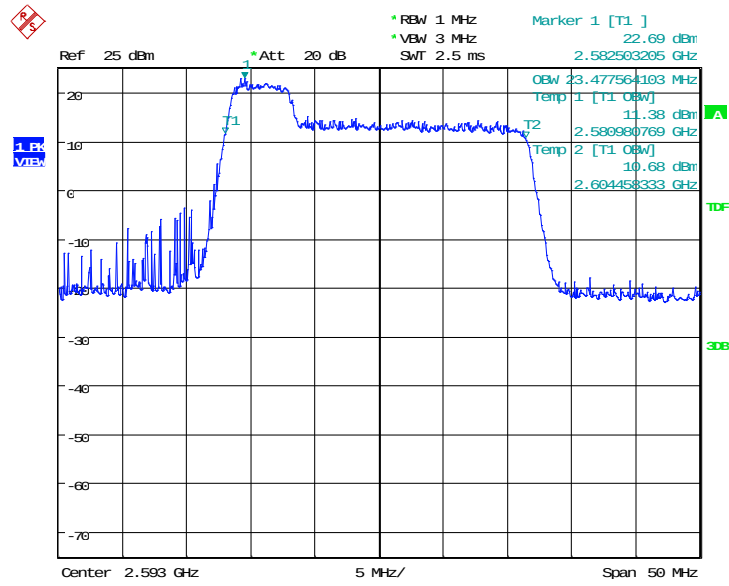
Date: 11. JUN. 2019 06:20:42

LTE Band CA_41C, 5MHz+20MHz Bandwidth, 16QAM (99% BW)



Date: 11. JUN. 2019 06:22:02

LTE Band CA_41C, 5MHz+20MHz Bandwidth, 64QAM (99% BW)

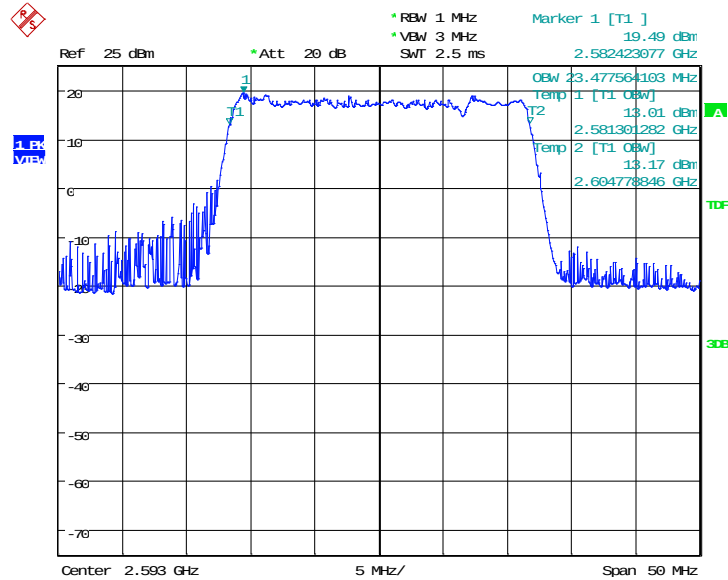


Date: 11.JUN.2019 06:22:19

LTE Band CA_41C, 20MHz+5MHz (99% BW)

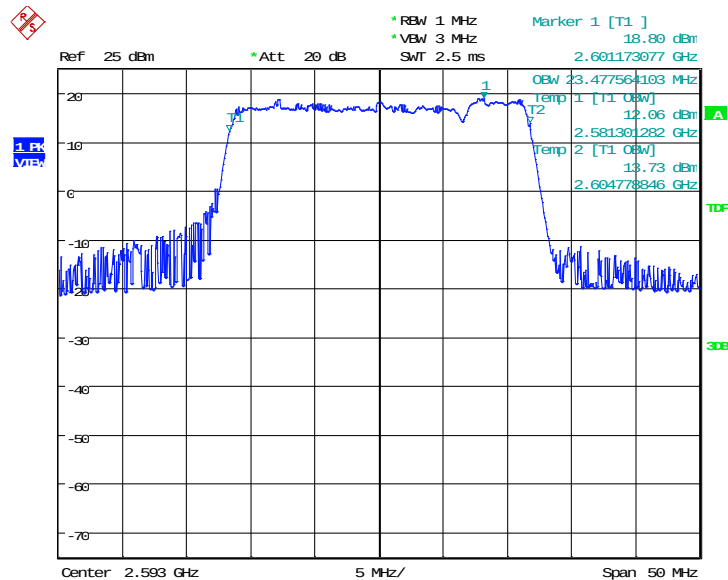
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	23477.56	23477.56	23397.44

LTE Band CA_41C, 20MHz+5MHz Bandwidth, QPSK (99% BW)



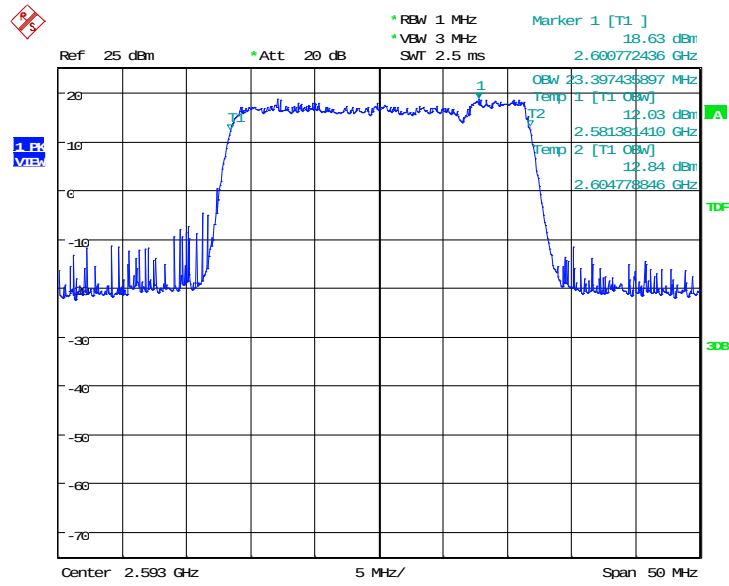
Date: 11. JUN. 2019 06:34:32

LTE Band CA_41C, 20MHz+5MHz Bandwidth, 16QAM (99% BW)



Date: 11. JUN. 2019 06:33:52

LTE Band CA_41C, 20MHz+5MHz Bandwidth, 64QAM (99% BW)



Date: 11.JUN.2019 06:33:10

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	23798.08	23717.95	23717.95

1. RBW
VBW

Ref 25 dBm

*Att 20 dB

*RBW 1 MHz

*VBW 3 MHz

SWT 2.5 ms

Marker 1 [T1]

22.37 dBm

2.589794872 GHz

OBW 23.798971623 MHz

Temp 1 [T1] 0dB

14.28 dBm

2.589900641 GHz

Temp 2 [T1] 0dB

13.20 dBm

2.604698718 GHz

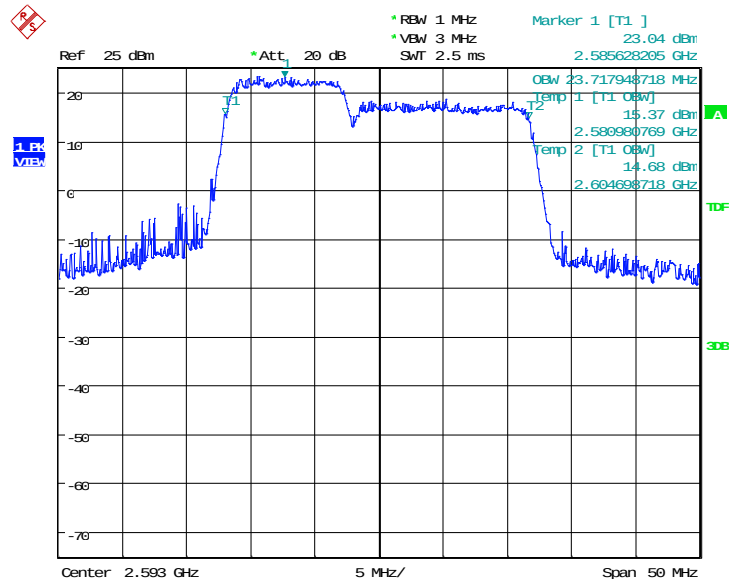
Center 2.593 GHz

5 MHz/

Span 50 MHz

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LTE Band CA_41C, 10MHz+15MHz Bandwidth, 64QAM (99% BW)

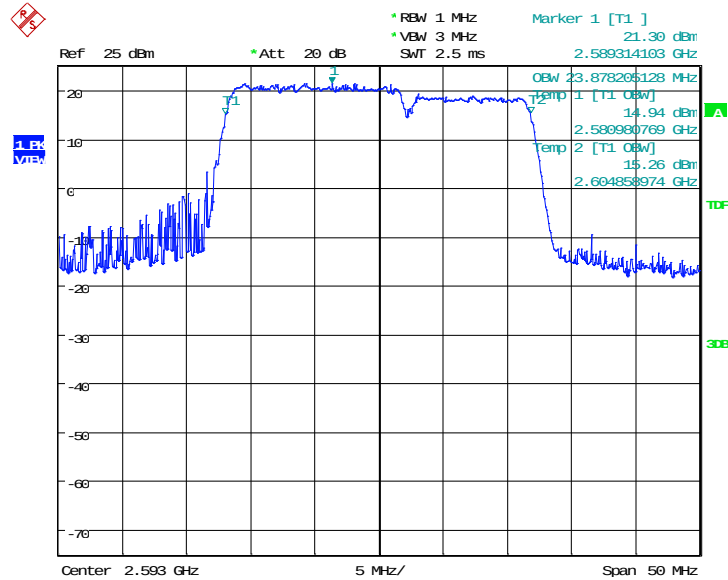


Date: 11.JUN.2019 06:37:51

LTE Band CA_41C, 15MHz+10MHz (99% BW)

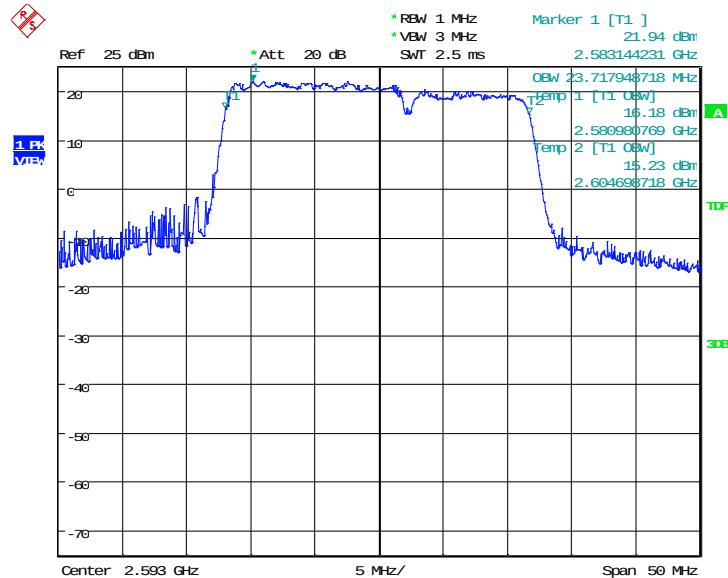
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	23878.21	23717.95	23637.82

LTE Band CA_41C, 15MHz+10MHz Bandwidth, QPSK (99% BW)



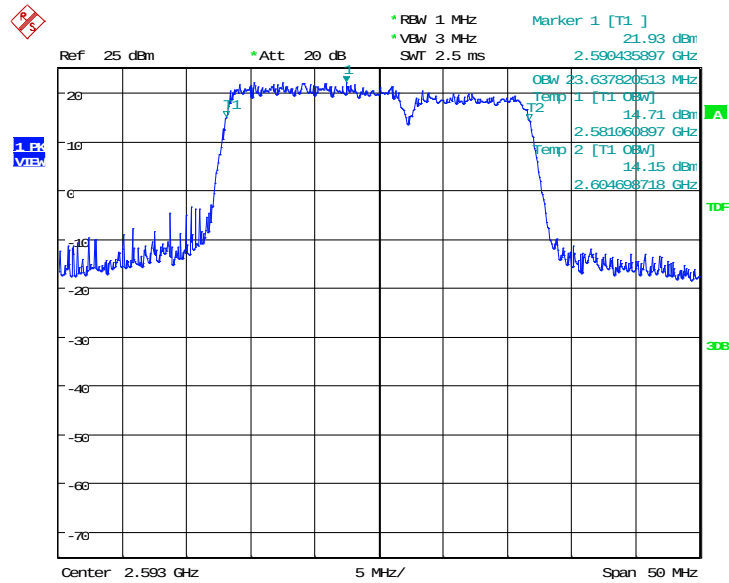
Date: 11. JUN. 2019 06:44:04

LTE Band CA_41C, 15MHz+10MHz Bandwidth, 16QAM (99% BW)



Date: 11. JUN. 2019 06:43:22

LTE Band CA_41C, 15MHz+10MHz Bandwidth, 64QAM (99% BW)

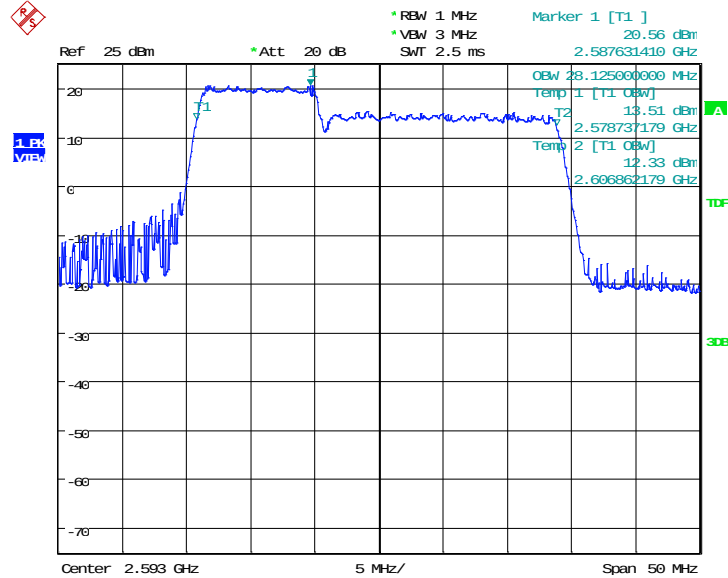


Date: 11.JUN.2019 06:42:41

LTE Band CA_41C, 10MHz+20MHz (99% BW)

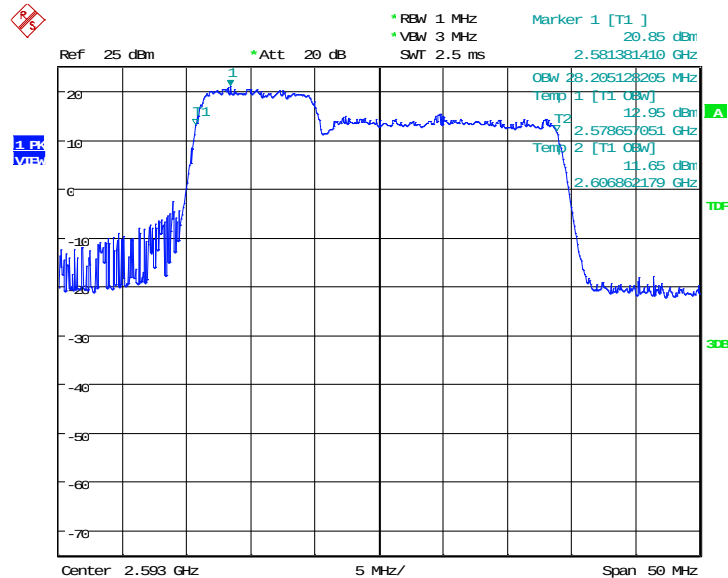
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	28125.00	28205.13	28125.00

LTE Band CA_41C, 10MHz+20MHz Bandwidth, QPSK (99% BW)



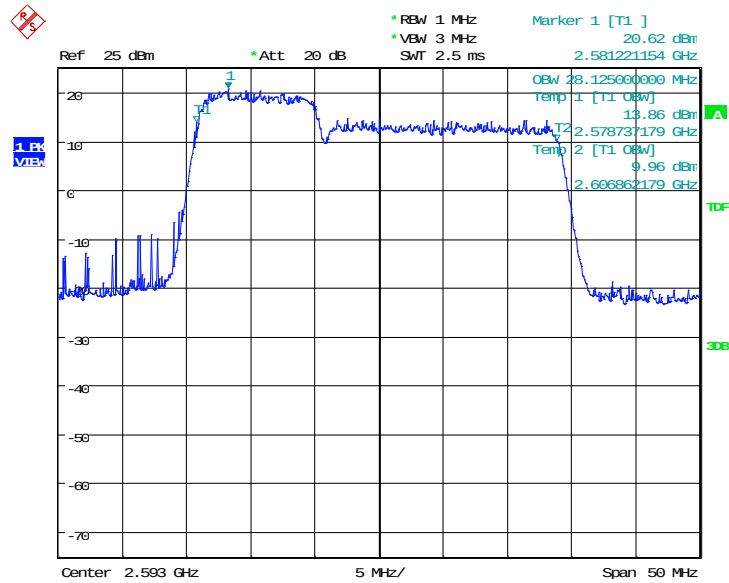
Date: 11. JUN. 2019 06:46:09

LTE Band CA_41C, 10MHz+20MHz Bandwidth, 16QAM (99% BW)



Date: 11. JUN. 2019 06:46:55

LTE Band CA_41C, 10MHz+20MHz Bandwidth, 64QAM (99% BW)

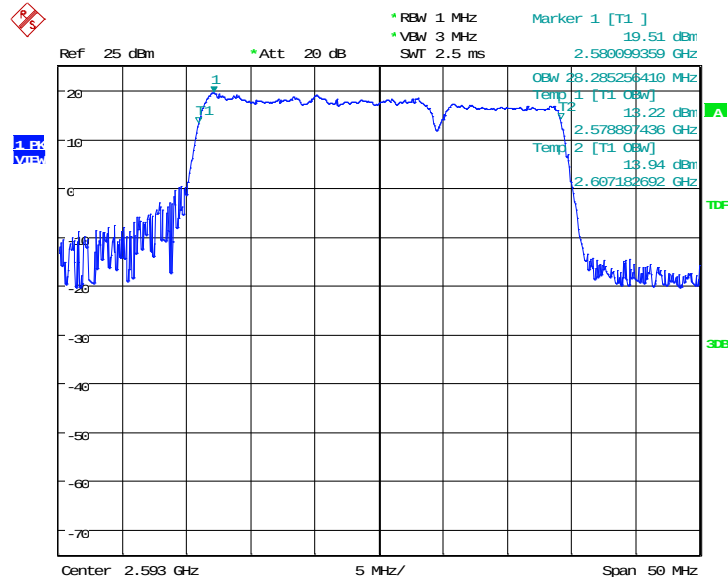


Date: 11.JUN.2019 06:47:09

LTE Band CA_41C, 20MHz+10MHz (99% BW)

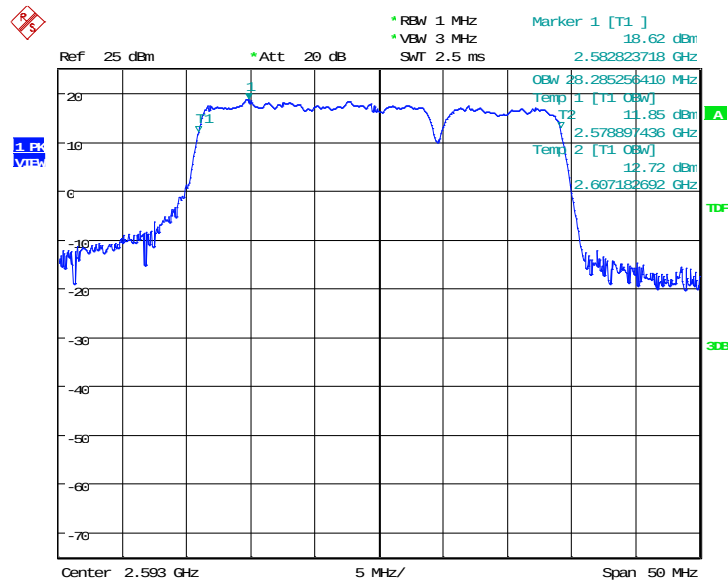
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	28285.26	28285.26	28205.13

LTE Band CA_41C, 20MHz+10MHz Bandwidth, QPSK (99% BW)



Date: 11. JUN. 2019 06:56:41

LTE Band CA_41C, 20MHz+10MHz Bandwidth, 16QAM (99% BW)



Date: 11. JUN. 2019 06:55:19

* RBW 1 MHz
 * VBW 3 MHz
 * Att 20 dB
 * SWT 2.5 ms

Ref 25 dBm
 Marker 1 [T1] 18.39 dBm
 2.582903846 GHz

OBW 28.205128205 MHz
 Temp 1 [T1 OBW]
 T2 12.61 dBm
 2.578977564 GHz
 Temp 2 [T1 OBW]
 12.20 dBm
 2.607182692 GHz

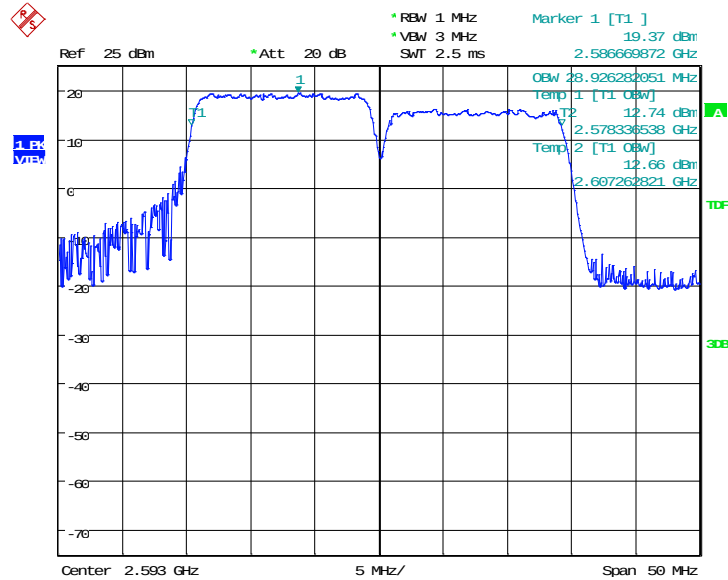
Center 2.593 GHz
 5 MHz/
 Span 50 MHz

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LTE Band CA_41C, 15MHz+15MHz (99% BW)

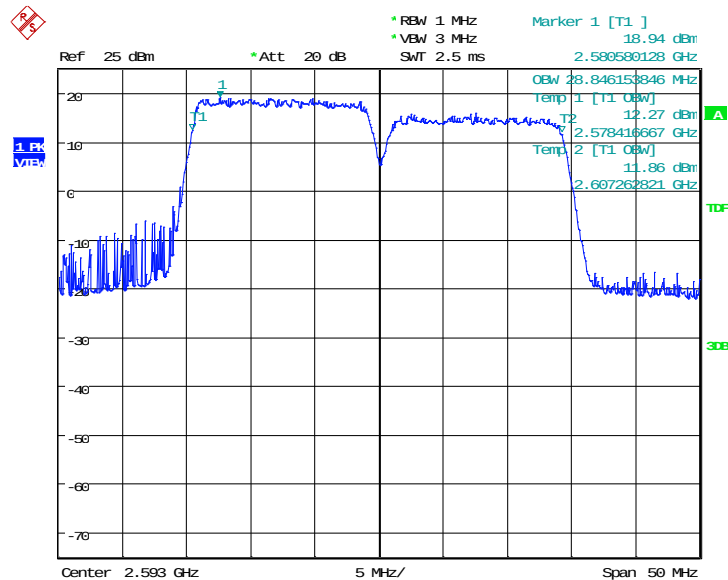
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	28926.28	28846.15	28685.90

LTE Band CA_41C, 15MHz+15MHz Bandwidth, QPSK (99% BW)



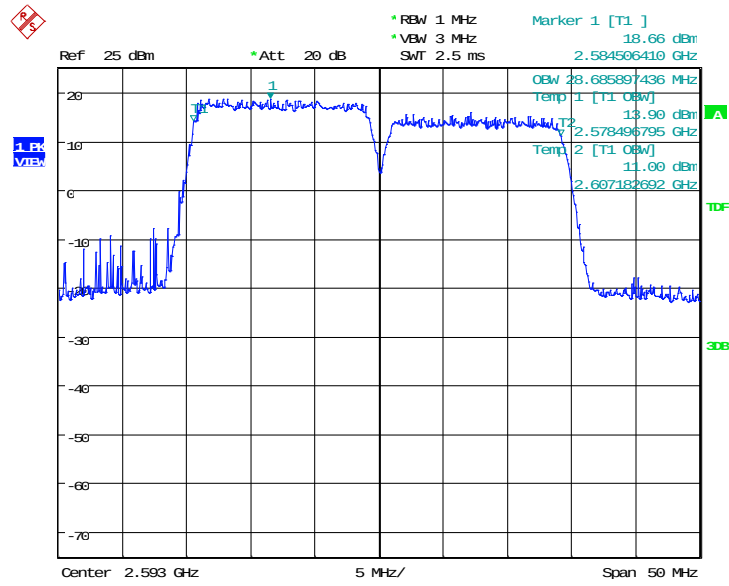
Date: 11. JUN. 2019 06:58:43

LTE Band CA_41C, 15MHz+15MHz Bandwidth, 16QAM (99% BW)



Date: 11. JUN. 2019 06:59:26

LTE Band CA_41C, 15MHz+15MHz Bandwidth, 64QAM (99% BW)

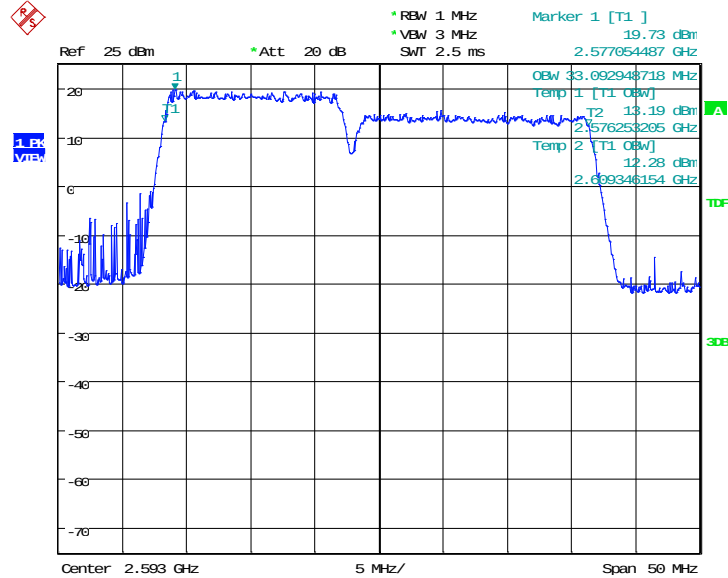


Date: 11.JUN.2019 06:59:42

LTE Band CA_41C, 15MHz+20MHz (99% BW)

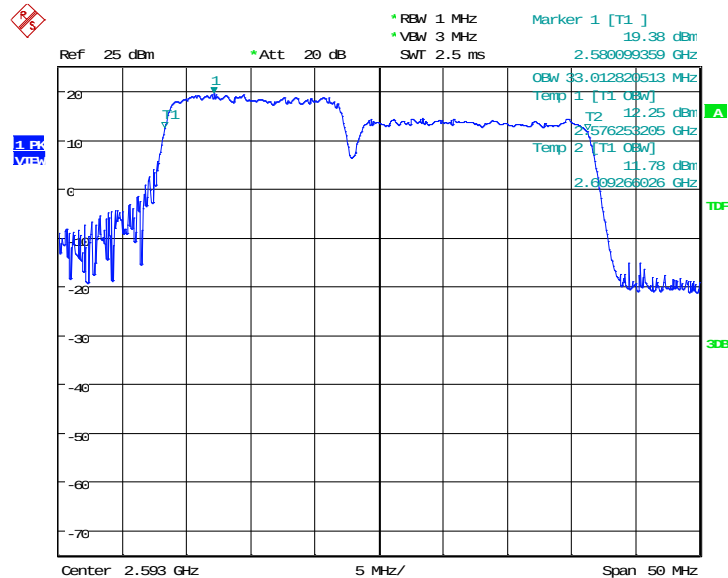
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	33092.95	33012.82	32852.56

LTE Band CA_41C, 15MHz+20MHz Bandwidth, QPSK (99% BW)



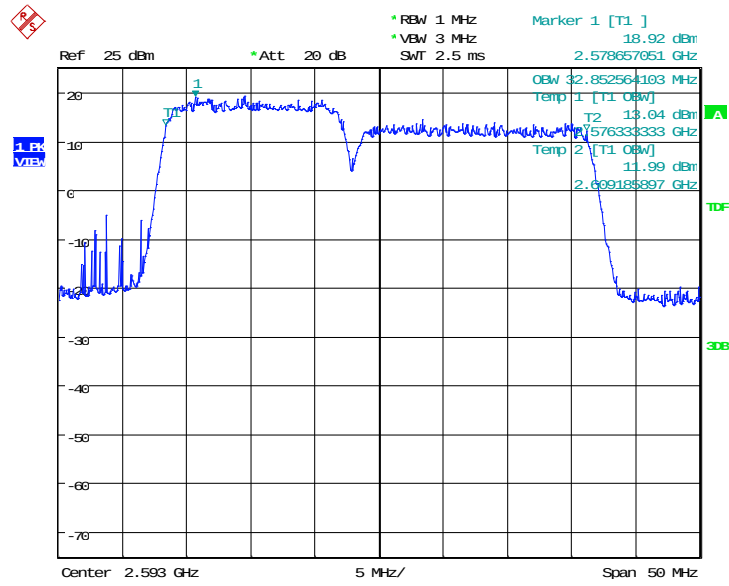
Date: 11. JUN. 2019 07:07:56

LTE Band CA_41C, 15MHz+20MHz Bandwidth, 16QAM (99% BW)



Date: 11. JUN. 2019 07:07:20

LTE Band CA_41C, 15MHz+20MHz Bandwidth, 64QAM (99% BW)

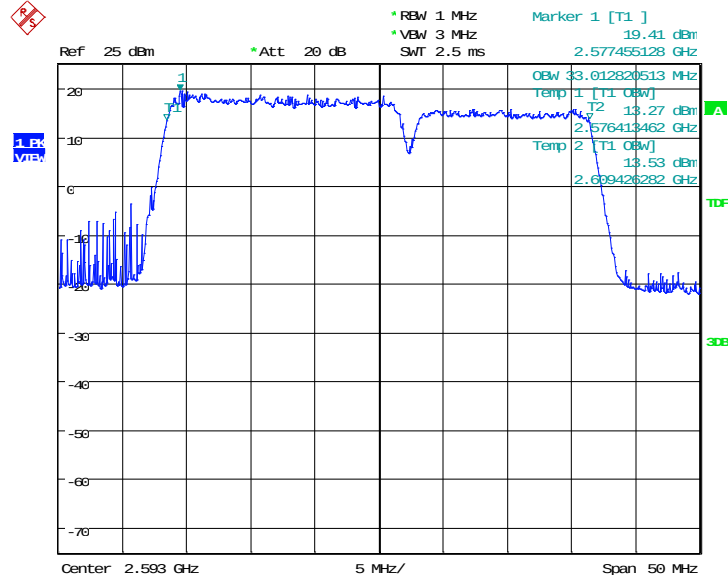


Date: 11.JUN.2019 07:06:01

LTE Band CA_41C, 20MHz+15MHz (99% BW)

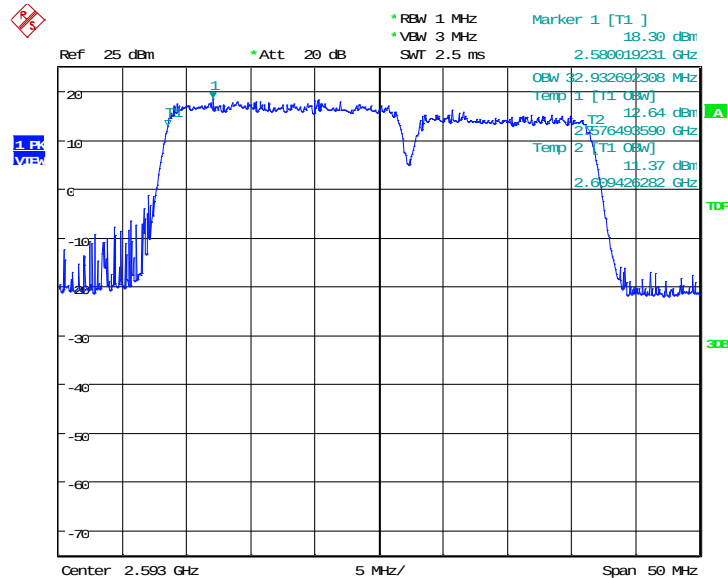
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	33012.82	32932.69	33012.82

LTE Band CA_41C, 20MHz+15MHz Bandwidth, QPSK (99% BW)



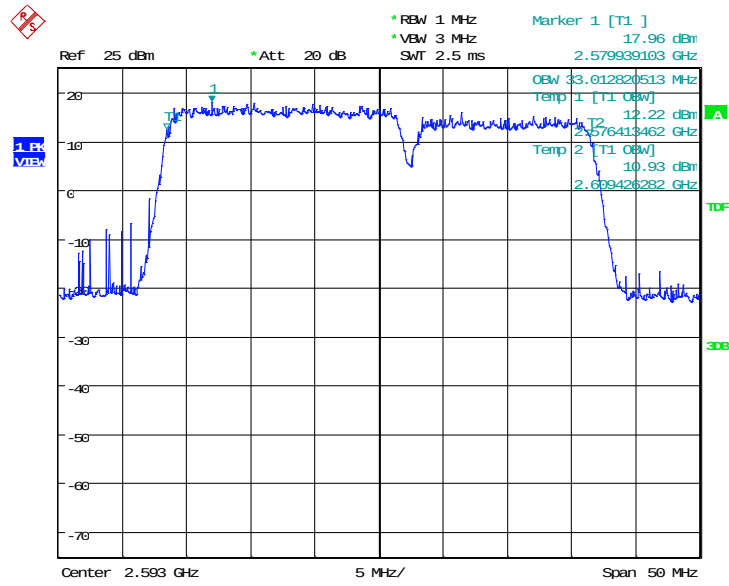
Date: 11.JUN.2019 07:09:07

LTE Band CA_41C, 20MHz+15MHz Bandwidth, 16QAM (99% BW)



Date: 11.JUN.2019 07:09:42

LTE Band CA_41C, 20MHz+15MHz Bandwidth, 64QAM (99% BW)

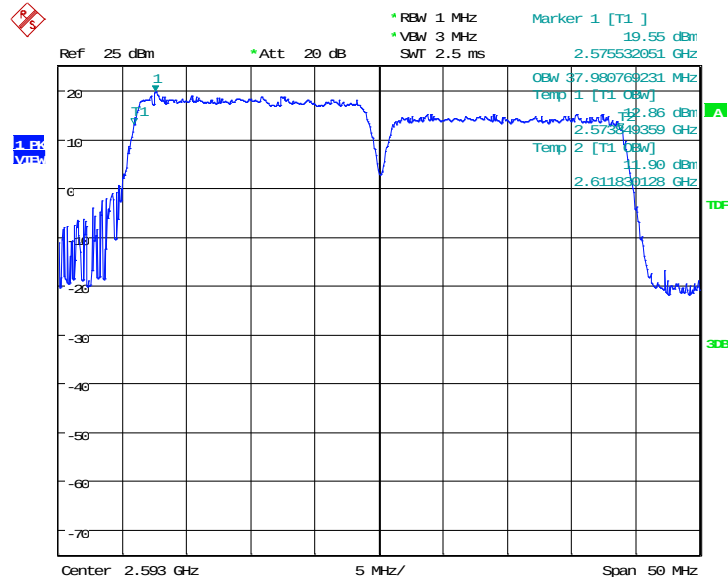


Date: 11.JUN.2019 07:09:56

LTE Band CA_41C, 20MHz+20MHz (99% BW)

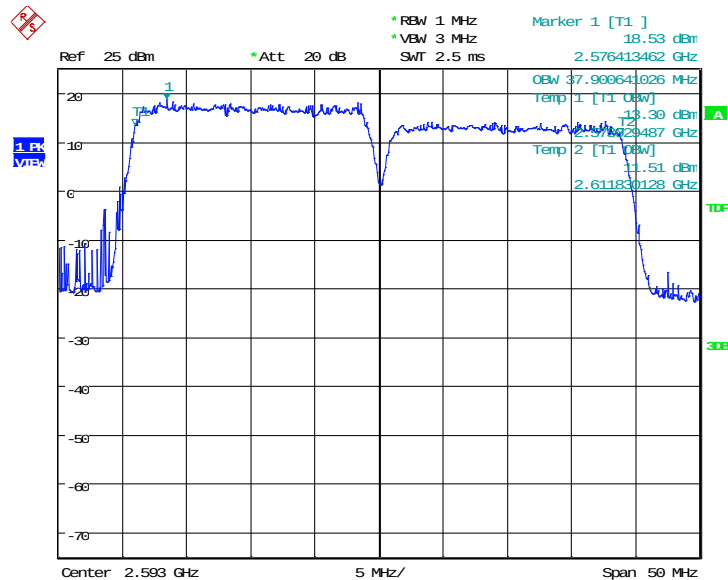
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	37980.77	37900.64	37820.51

LTE Band CA_41C, 20MHz+20MHz Bandwidth, QPSK (99% BW)



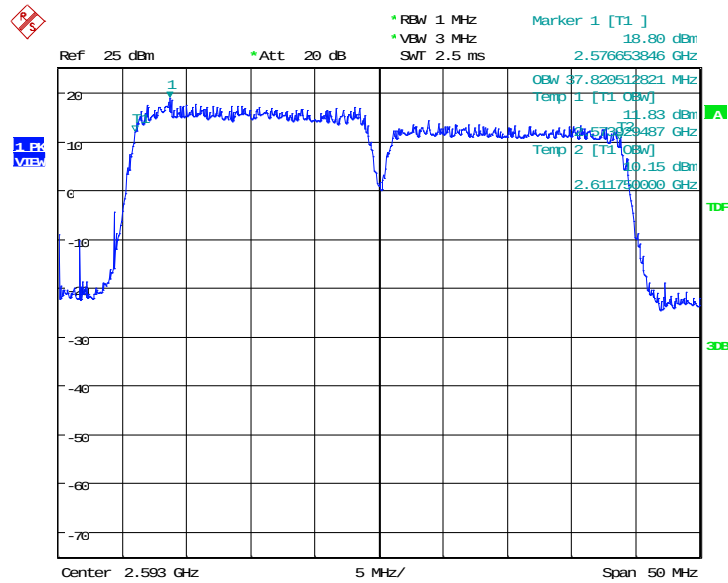
Date: 11.JUN.2019 07:15:52

LTE Band CA_41C, 20MHz+20MHz Bandwidth, 16QAM (99% BW)



Date: 11.JUN.2019 07:15:14

LTE Band CA_41C, 20MHz+20MHz Bandwidth, 64QAM (99% BW)



Date: 11.JUN.2019 07:14:56

Note: Expanded measurement uncertainty is $U = 3428 \text{ Hz}$, $k = 2$

A.5 EMISSION BANDWIDTH

Reference

FCC: CFR Part 2.1049, 22.917, 24.238, 27.53.

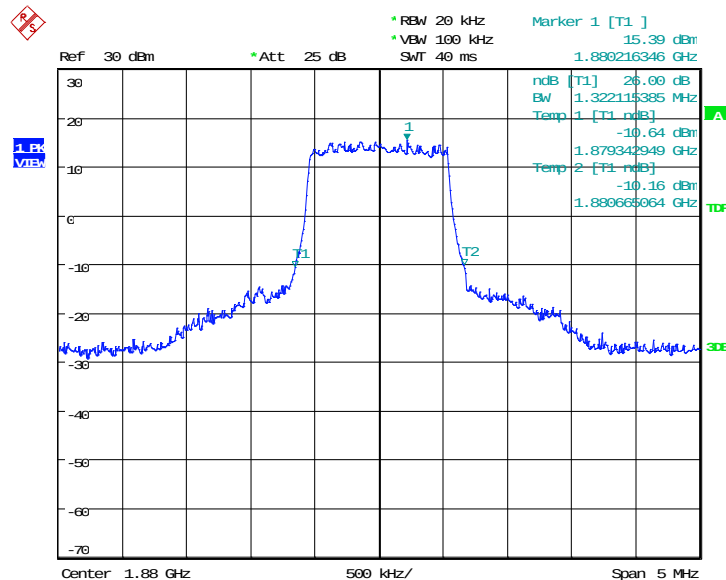
A.5.1 Emission Bandwidth Results

The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. Table below lists the measured -26dBc BW. Spectrum analyzer plots are included on the following pages.

LTE band 2, 1.4MHz (-26dBc BW)

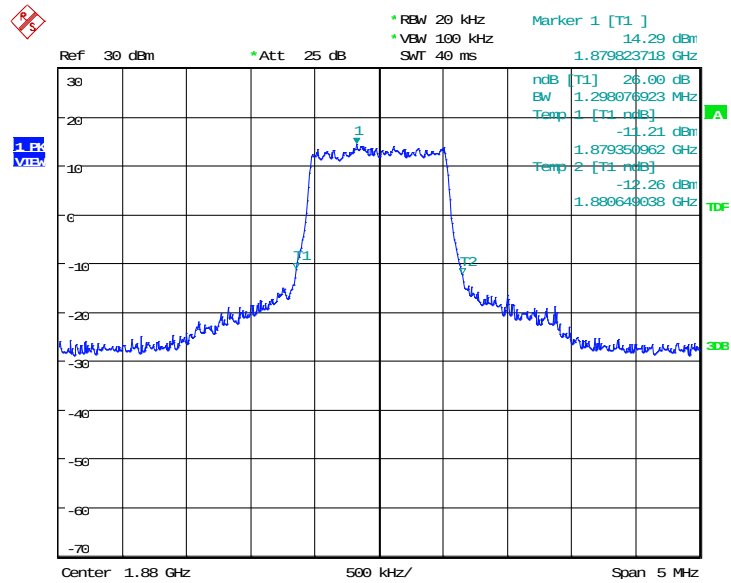
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	1322.12	1298.08	1290.06

LTE band 2, 1.4MHz Bandwidth, QPSK (-26dBc BW)



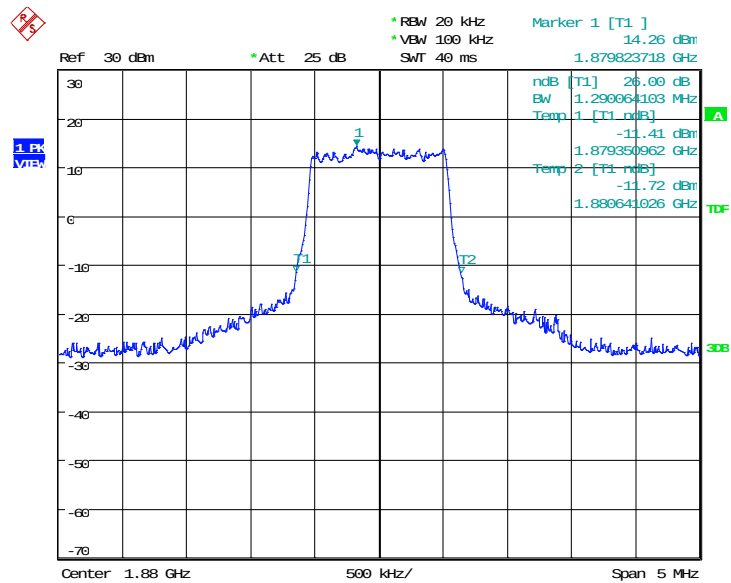
Date: 31.MAY.2019 17:50:26

LTE band 2, 1.4MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 17:50:42

LTE band 2, 1.4MHz Bandwidth, 64QAM (-26dBc BW)

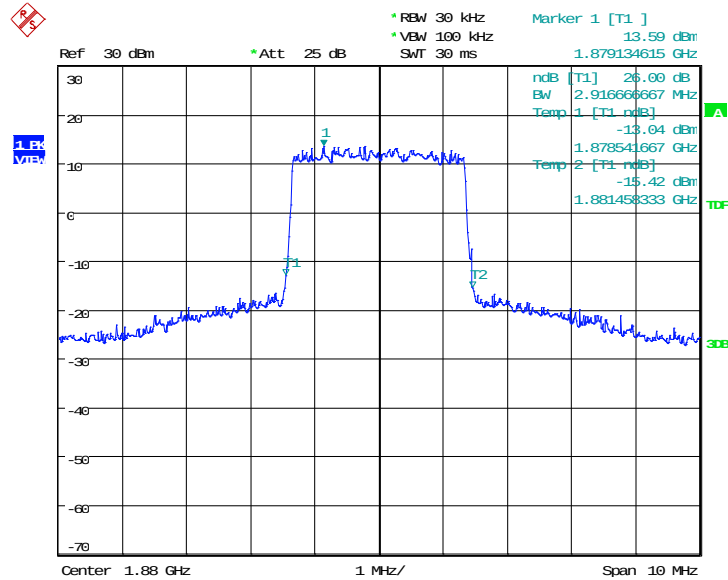


Date: 3.JUN.2019 06:21:08

LTE band 2, 3MHz (-26dBc BW)

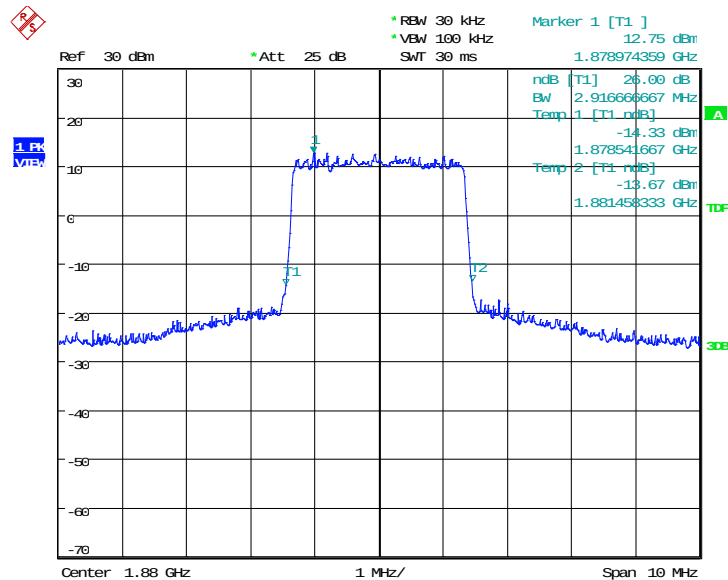
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	2916.67	2916.67	2884.62

LTE band 2, 3MHz Bandwidth, QPSK (-26dBc BW)



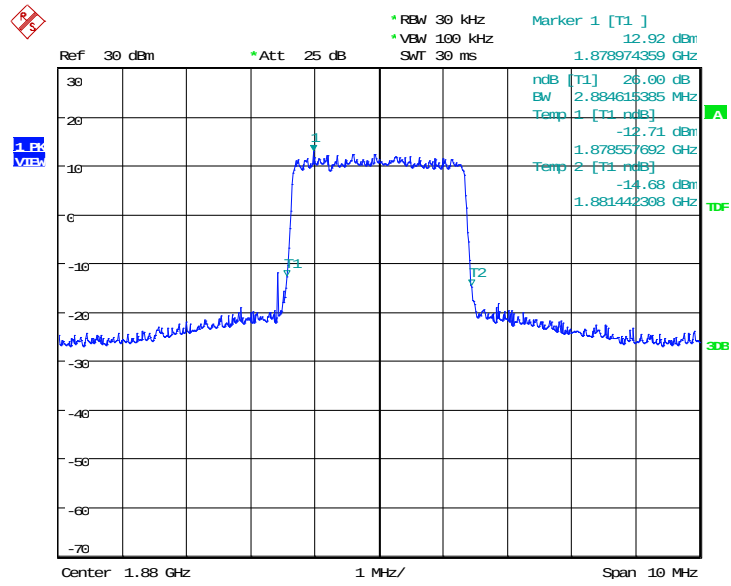
Date: 31.MAY.2019 17:53:34

LTE band 2, 3MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 17:53:50

LTE band 2, 3MHz Bandwidth, 64QAM (-26dBc BW)

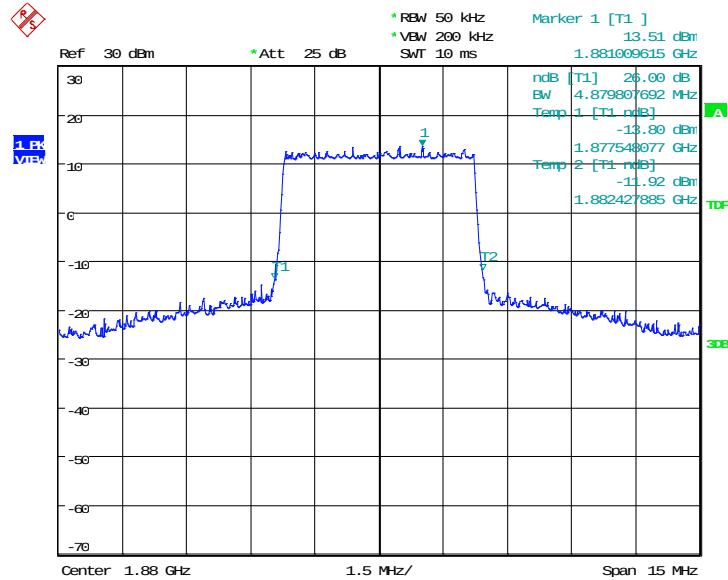


Date: 3.JUN.2019 06:23:41

LTE band 2, 5MHz (-26dBc BW)

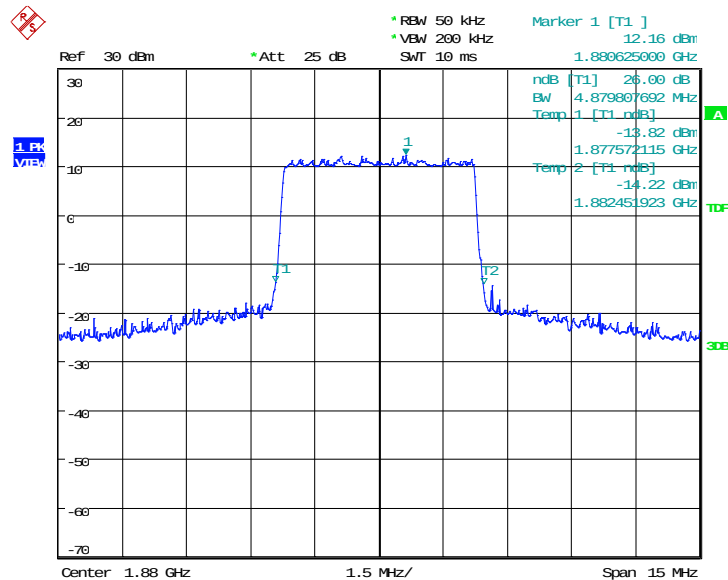
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	4879.81	4879.81	4855.77

LTE band 2, 5MHz Bandwidth, QPSK (-26dBc BW)



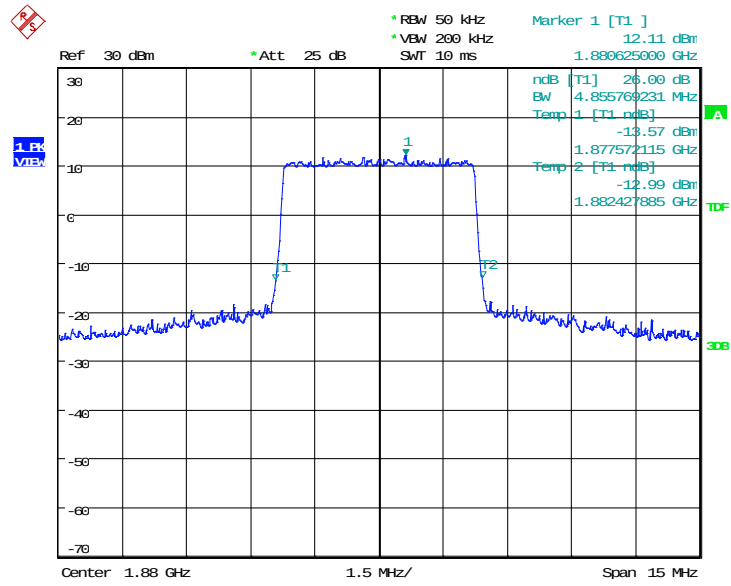
Date: 31.MAY.2019 17:56:42

LTE band 2, 5MHz Bandwidth,16QAM (-26dBc BW)



Date: 31.MAY.2019 17:56:58

LTE band 2, 5MHz Bandwidth,64QAM (-26dBc BW)

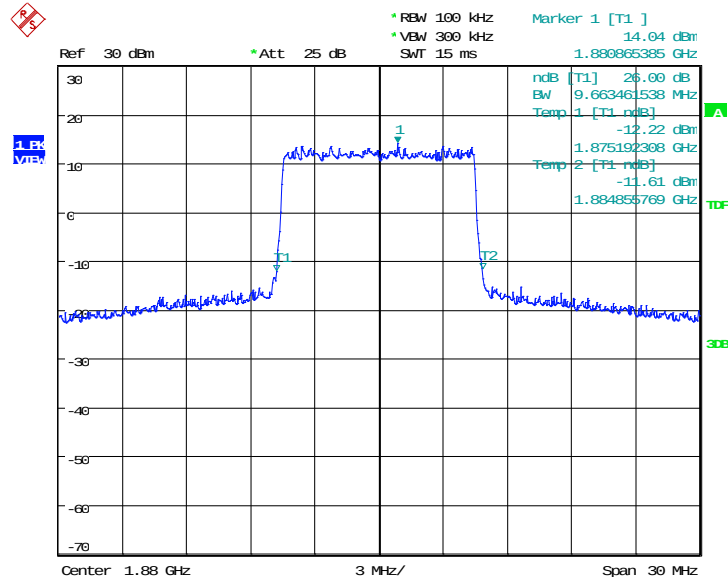


Date: 3.JUN.2019 06:26:13

LTE band 2, 10MHz (-26dBc BW)

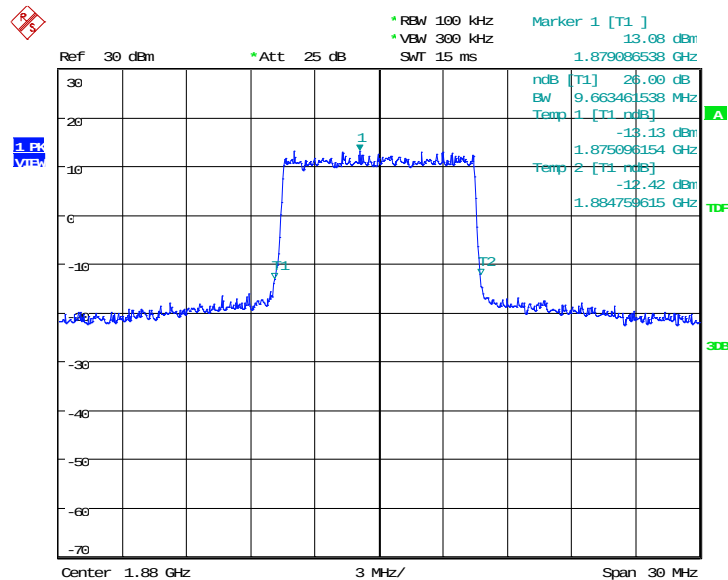
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	9663.46	9663.46	9663.46

LTE band 2, 10MHz Bandwidth, QPSK (-26dBc BW)



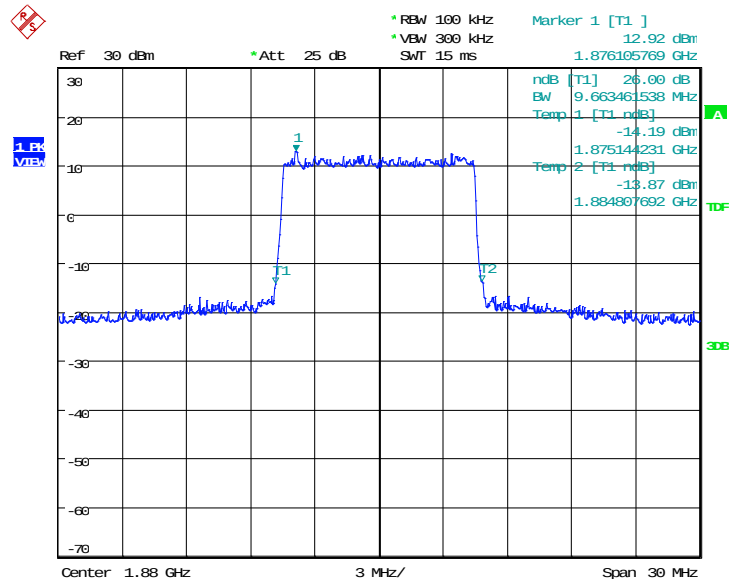
Date: 31.MAY.2019 17:59:51

LTE band 2, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:00:06

LTE band 2, 10MHz Bandwidth, 64QAM (-26dBc BW)

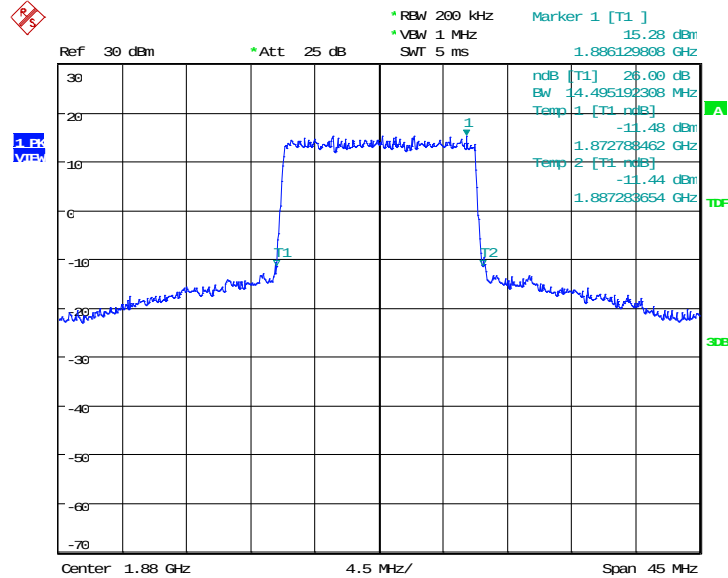


Date: 3.JUN.2019 06:28:46

LTE band 2, 15MHz (-26dBc BW)

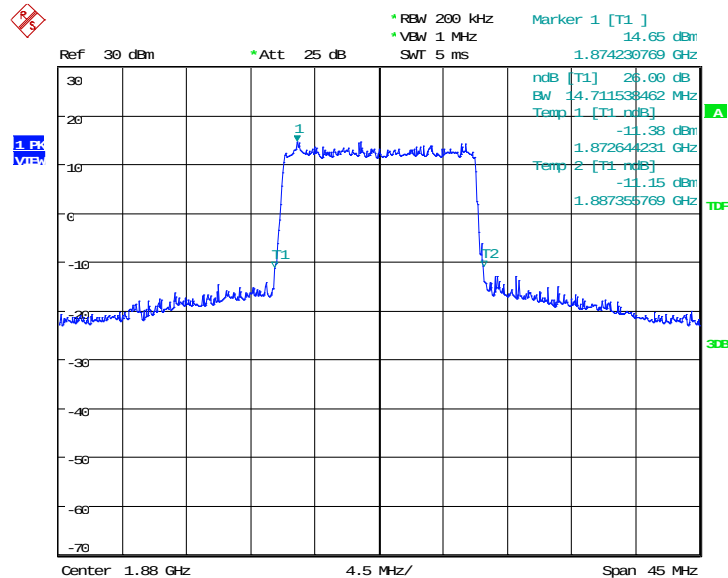
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	14495.19	14711.54	14495.19

LTE band 2, 15MHz Bandwidth, QPSK (-26dBc BW)



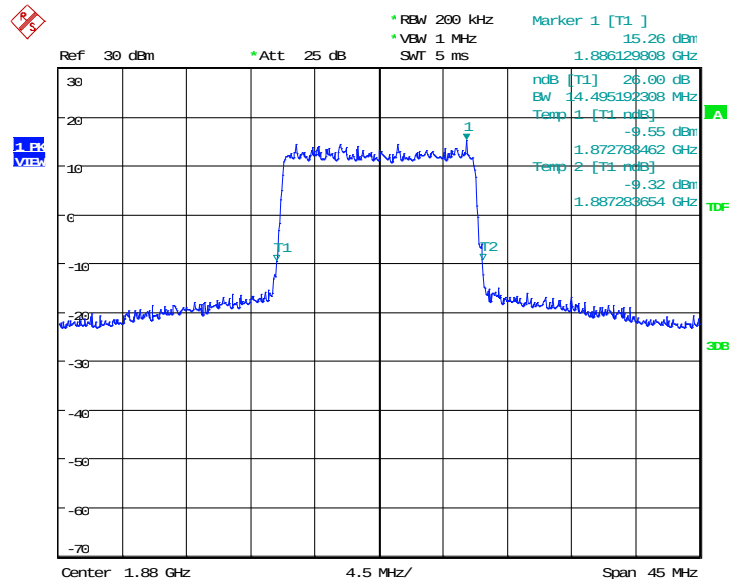
Date: 31.MAY.2019 18:02:59

LTE band 2, 15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:03:15

LTE band 2, 15MHz Bandwidth, 64QAM (-26dBc BW)

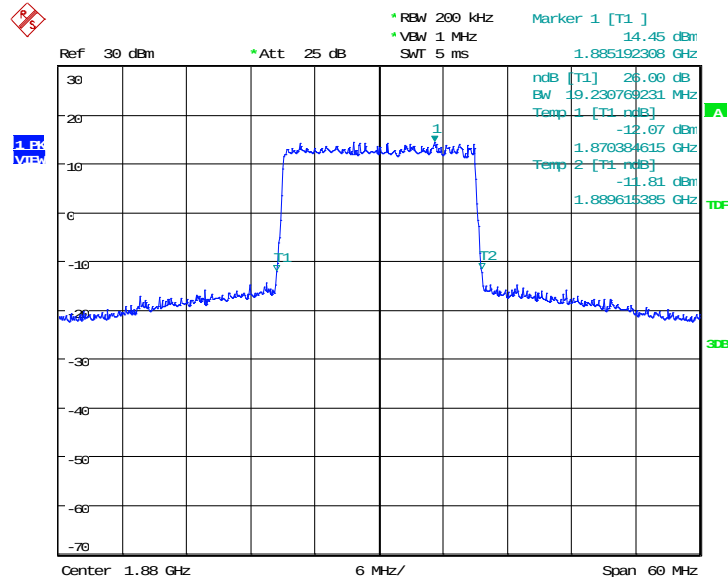


Date: 3.JUN.2019 06:31:19

LTE band 2, 20MHz (-26dBc BW)

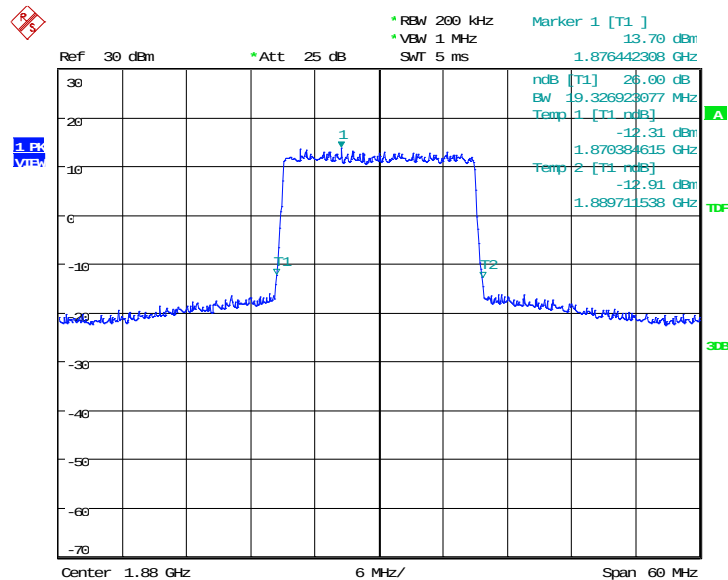
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	19230.77	19326.92	19326.92

LTE band 2, 20MHz Bandwidth, QPSK (-26dBc BW)



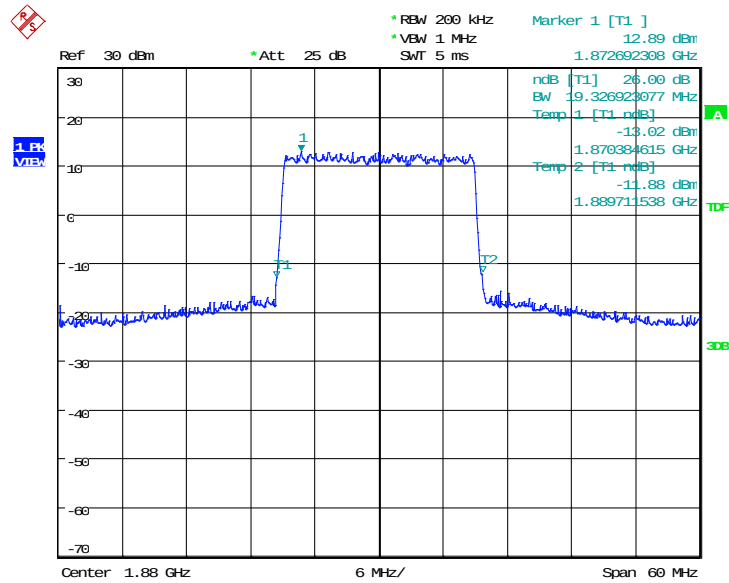
Date: 31.MAY.2019 18:06:08

LTE band 2, 20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:06:24

LTE band 2, 20MHz Bandwidth, 64QAM (-26dBc BW)

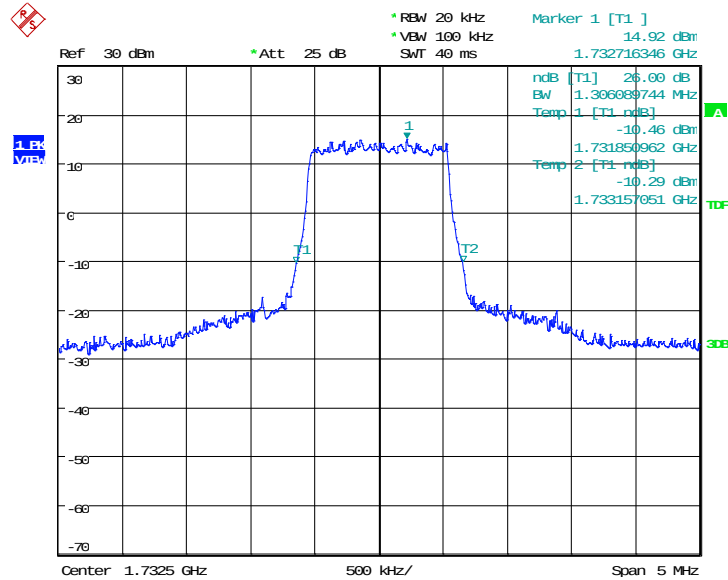


Date: 3.JUN.2019 06:33:52

LTE band 4, 1.4MHz (-26dBc BW)

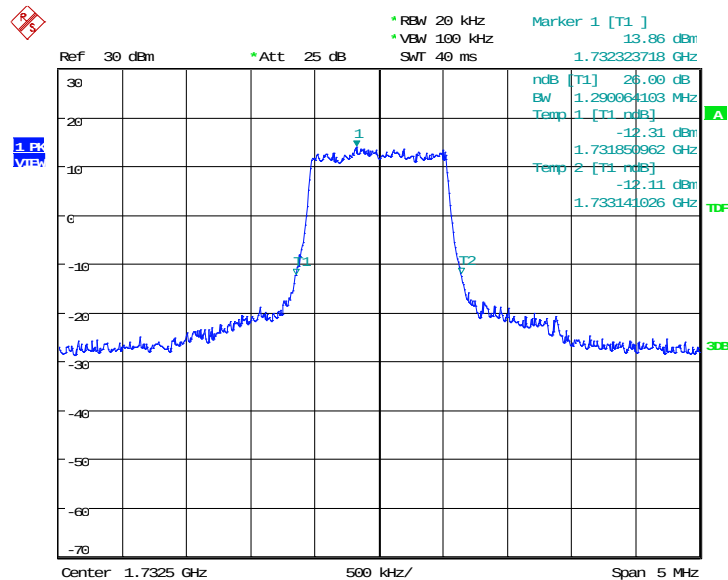
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1732.5	QPSK	16QAM	64QAM
	1306.09	1290.06	1290.06

LTE band 4, 1.4MHz Bandwidth, QPSK (-26dBc BW)



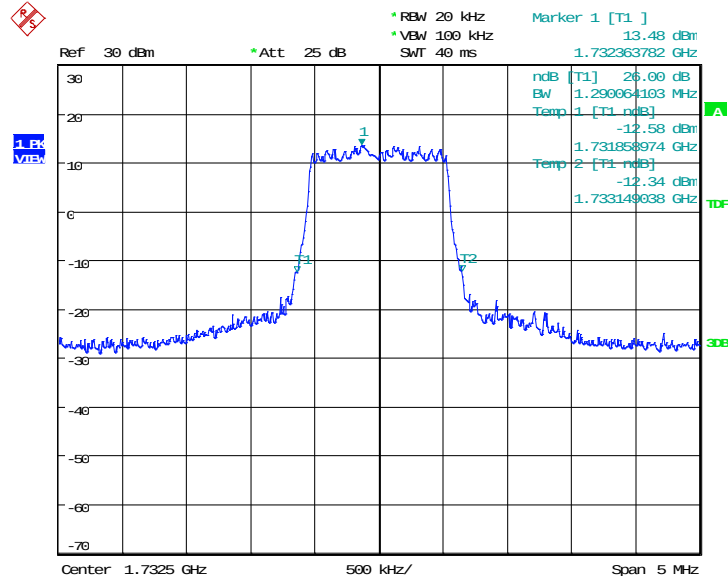
Date: 31.MAY.2019 18:09:19

LTE band 4, 1.4MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:09:35

LTE band 4, 1.4MHz Bandwidth, 64QAM (-26dBc BW)

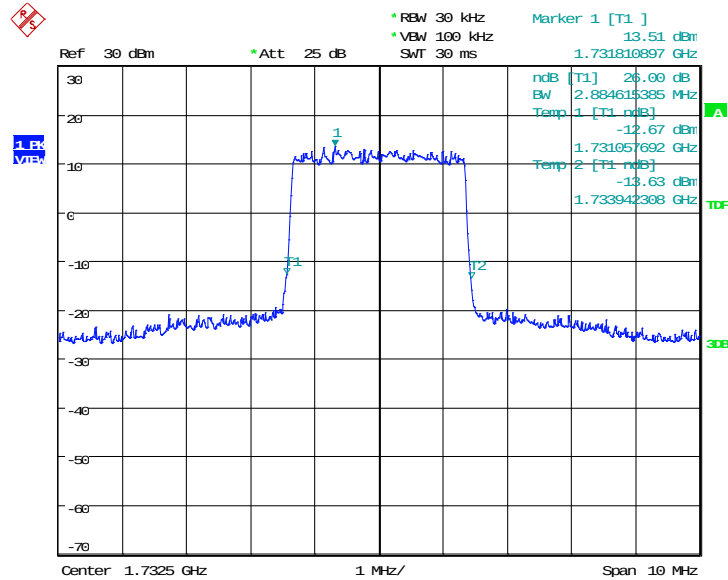


Date: 3.JUN.2019 06:36:30

LTE band 4, 3MHz (-26dBc BW)

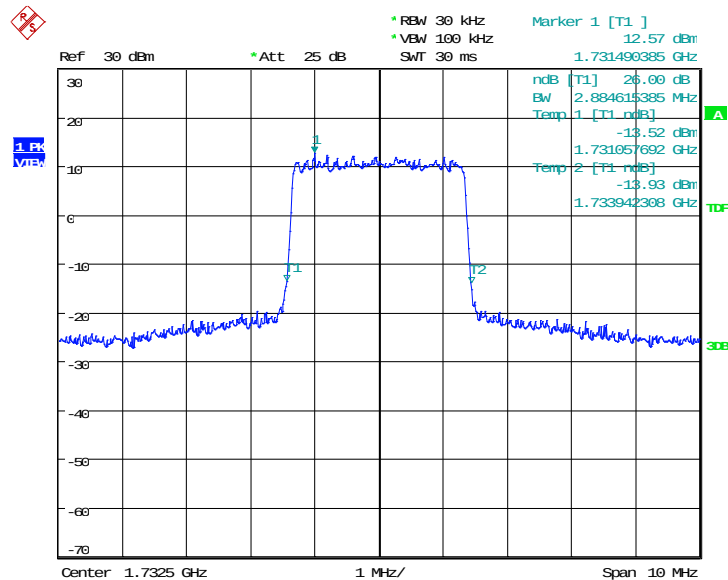
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1732.5	QPSK	16QAM	64QAM
	2884.62	2884.62	2884.62

LTE band 4, 3MHz Bandwidth, QPSK (-26dBc BW)



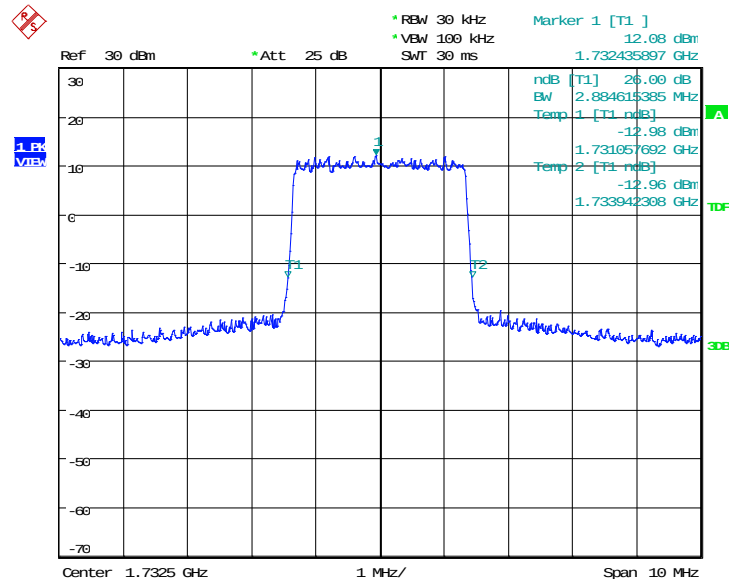
Date: 31.MAY.2019 18:12:28

LTE band 4, 3MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:12:43

LTE band 4, 3MHz Bandwidth, 64QAM (-26dBc BW)

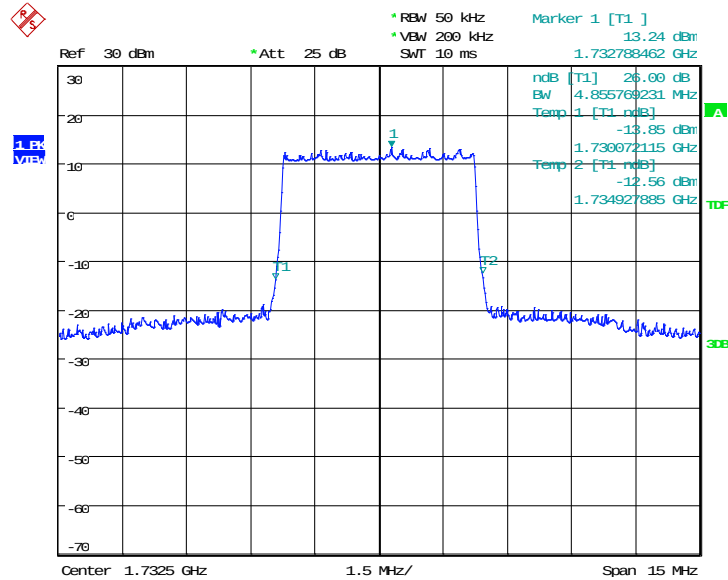


Date: 3.JUN.2019 06:39:03

LTE band 4, 5MHz (-26dBc BW)

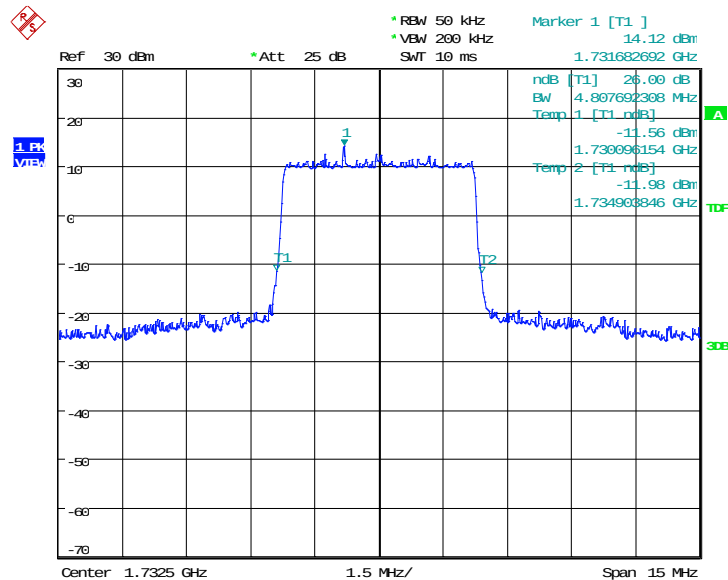
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1732.5	QPSK	16QAM	64QAM
	4855.77	4807.69	4855.77

LTE band 4, 5MHz Bandwidth, QPSK (-26dBc BW)



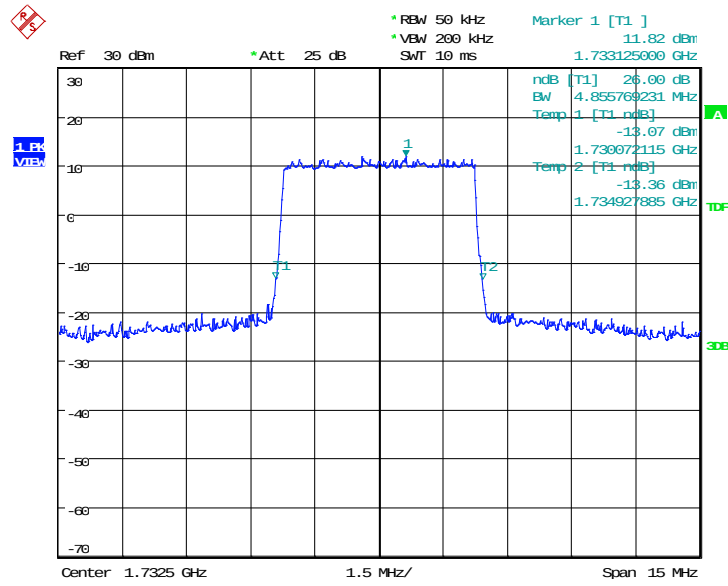
Date: 31.MAY.2019 18:15:36

LTE band 4, 5MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:15:52

LTE band 4, 5MHz Bandwidth,64QAM (-26dBc BW)

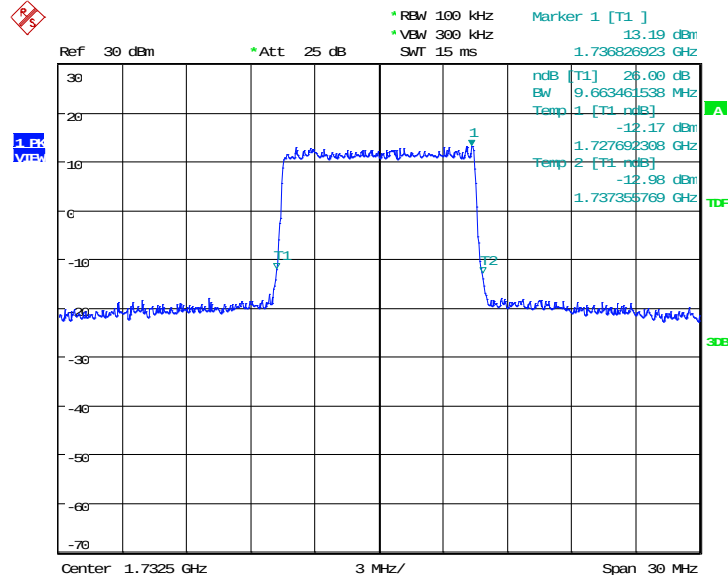


Date: 3.JUN.2019 06:41:36

LTE band 4, 10MHz (-26dBc BW)

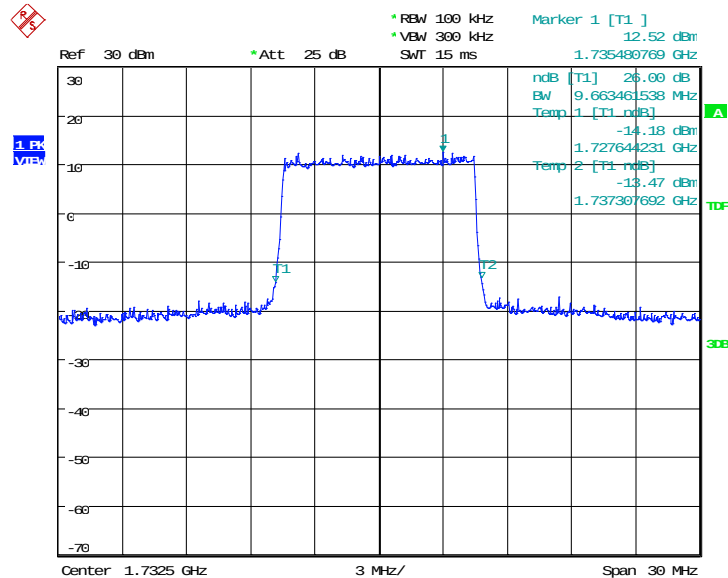
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1732.5	QPSK	16QAM	64QAM
	9663.46	9663.46	9663.46

LTE band 4, 10MHz Bandwidth, QPSK (-26dBc BW)



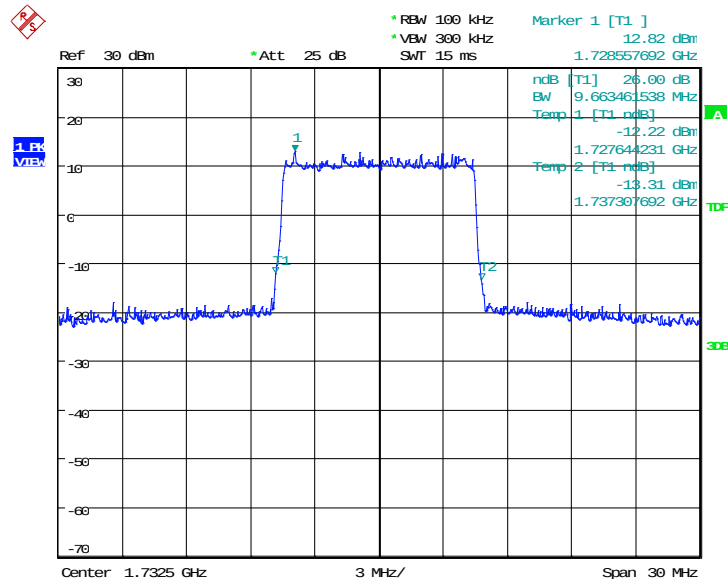
Date: 31.MAY.2019 18:18:44

LTE band 4, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:19:00

LTE band 4, 10MHz Bandwidth, 64QAM (-26dBc BW)

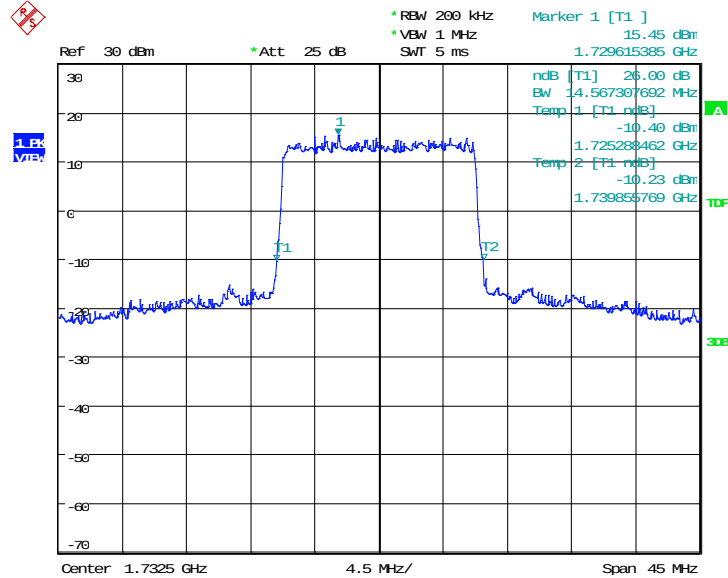


Date: 3.JUN.2019 06:44:09

LTE band 4, 15MHz (-26dBc BW)

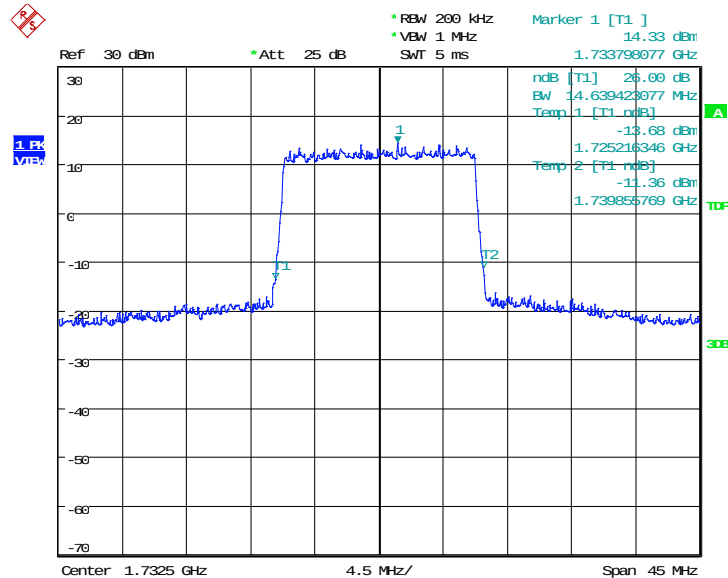
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1732.5	QPSK	16QAM	64QAM
	14567.31	14639.42	14495.19

LTE band 4, 15MHz Bandwidth, QPSK (-26dBc BW)



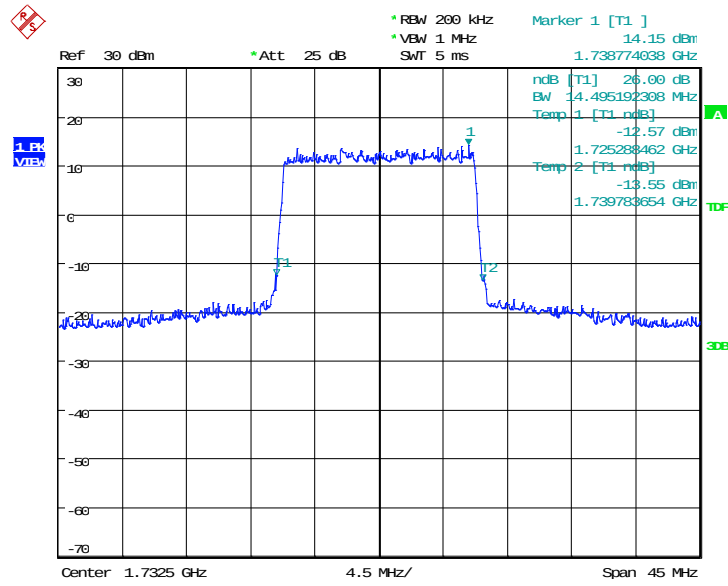
Date: 31.MAY.2019 18:21:53

LTE band 4, 15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:22:08

LTE band 4, 15MHz Bandwidth, 64QAM (-26dBc BW)

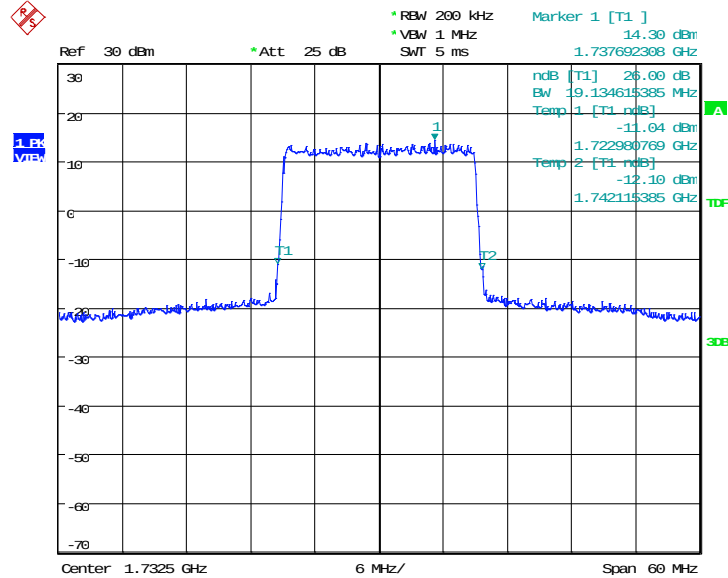


Date: 3.JUN.2019 06:46:41

LTE band 4, 20MHz (-26dBc BW)

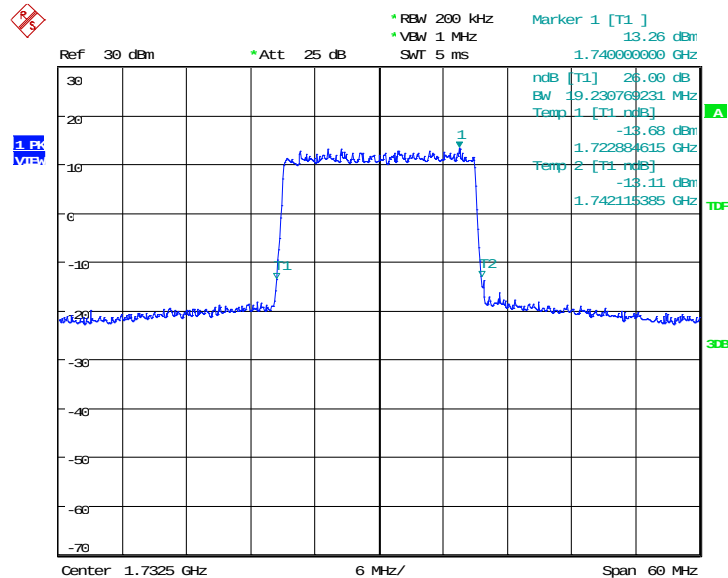
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1732.5	QPSK	16QAM	64QAM
	19134.62	19230.77	19230.77

LTE band 4, 20MHz Bandwidth, QPSK (-26dBc BW)



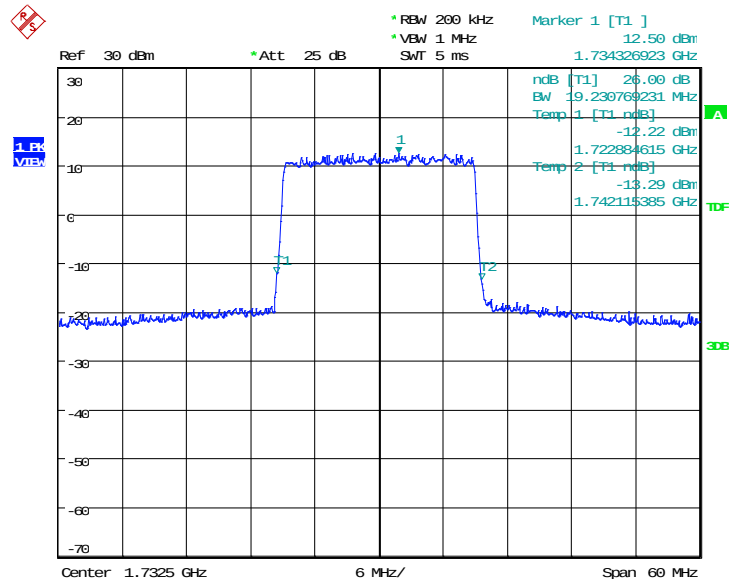
Date: 31.MAY.2019 18:25:01

LTE band 4, 20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:25:17

LTE band 4, 20MHz Bandwidth, 64QAM (-26dBc BW)

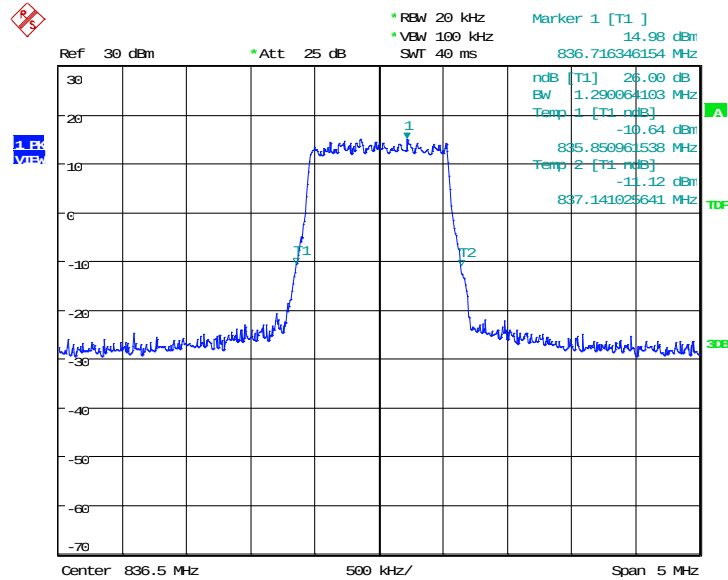


Date: 3.JUN.2019 06:49:15

LTE band 5, 1.4MHz (-26dBc BW)

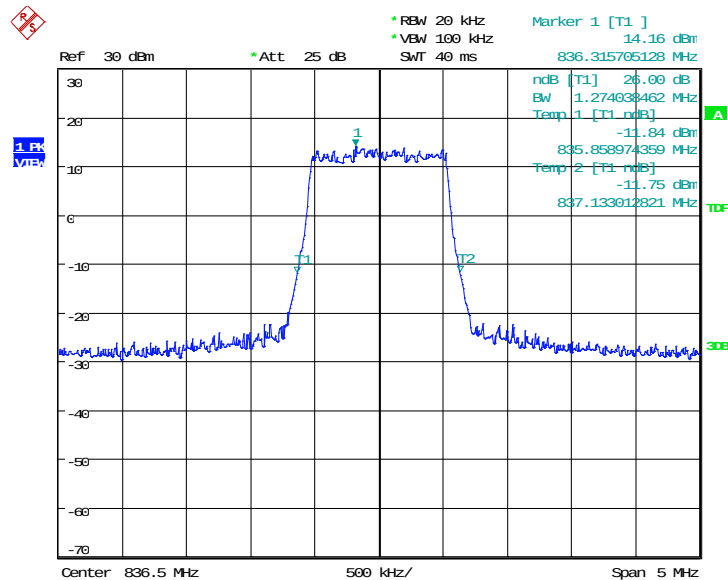
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	1290.06	1274.04	1266.03

LTE band 5, 1.4MHz Bandwidth, QPSK (-26dBc BW)



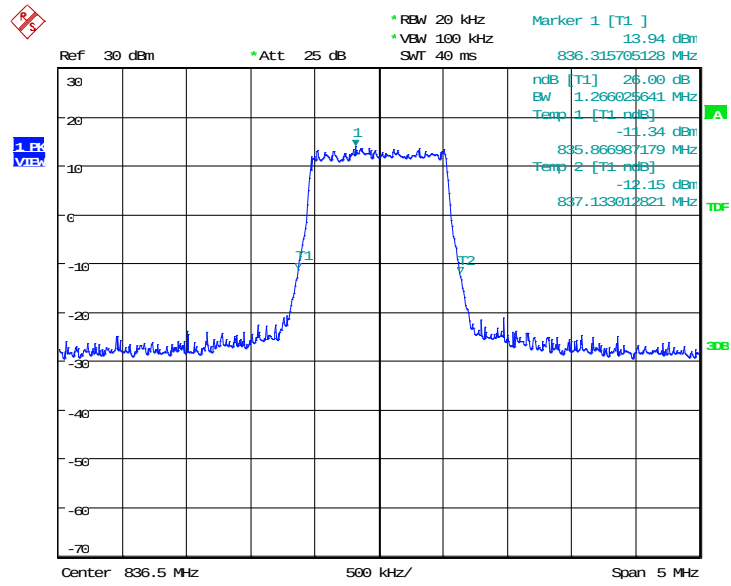
Date: 31.MAY.2019 17:37:49

LTE band 5, 1.4MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 17:38:05

LTE band 5, 1.4MHz Bandwidth, 64QAM (-26dBc BW)

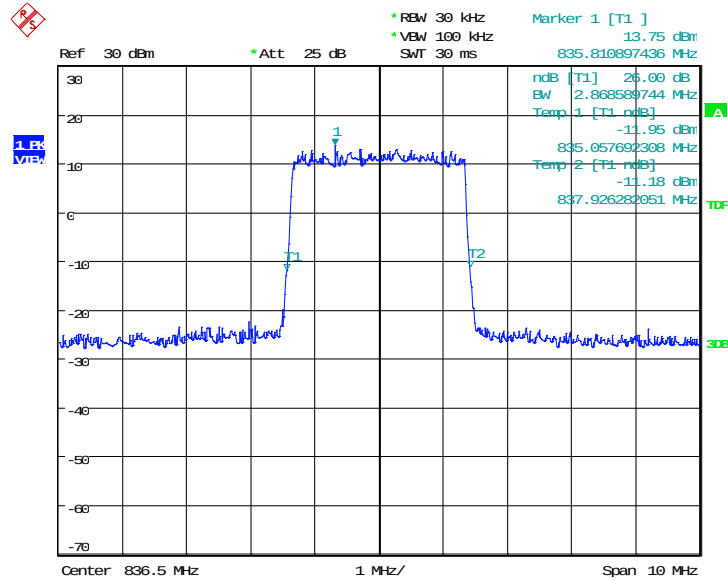


Date: 3.JUN.2019 06:10:53

LTE band 5, 3MHz (-26dBc BW)

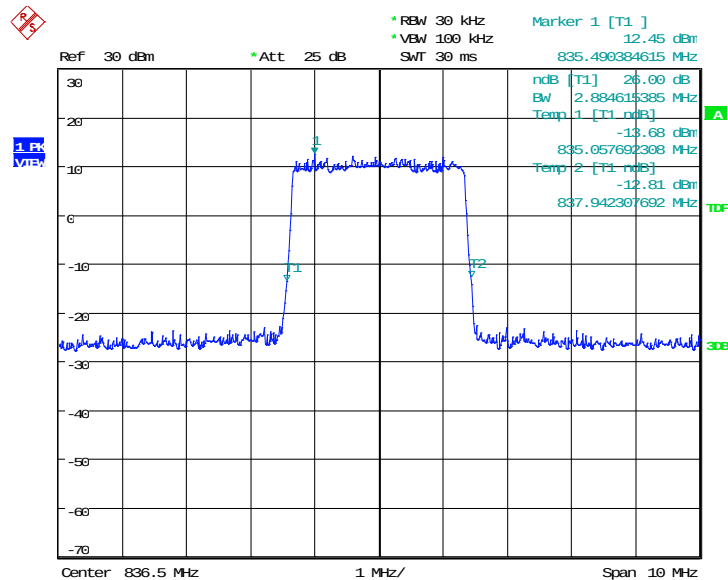
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	2868.59	2884.62	2900.64

LTE band 5, 3MHz Bandwidth, QPSK (-26dBc BW)



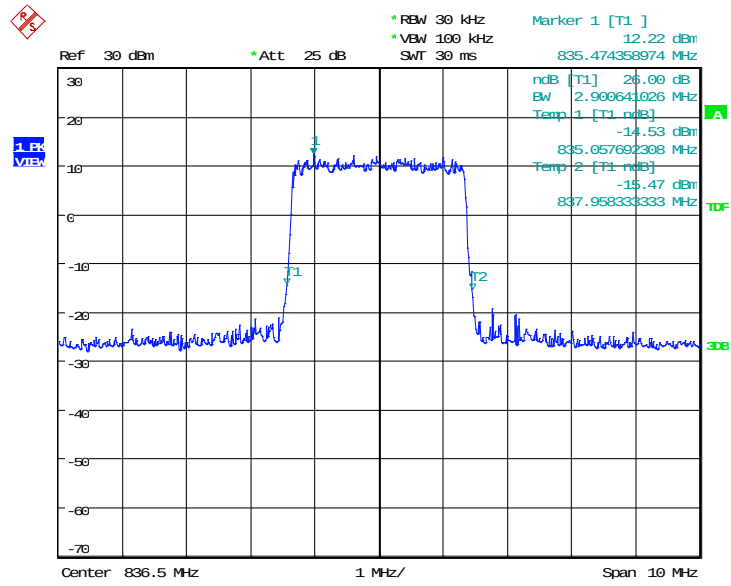
Date: 31.MAY.2019 17:40:57

LTE band 5, 3MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 17:41:13

LTE band 5, 3MHz Bandwidth, 64QAM (-26dBc BW)

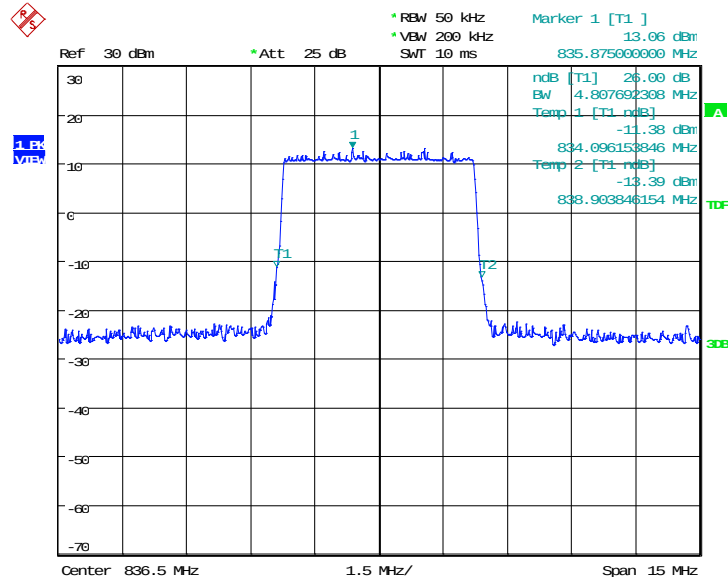


Date: 3.JUN.2019 06:13:26

LTE band 5, 5MHz (-26dBc BW)

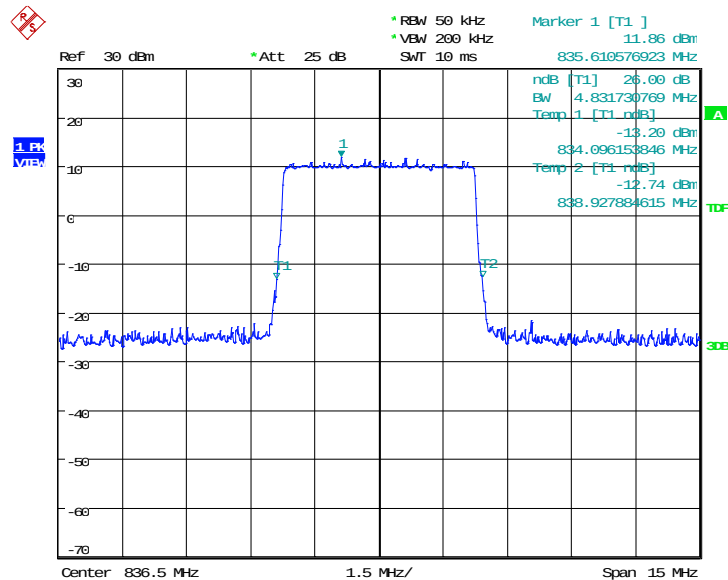
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	4807.69	4831.73	4855.77

LTE band 5, 5MHz Bandwidth, QPSK (-26dBc BW)



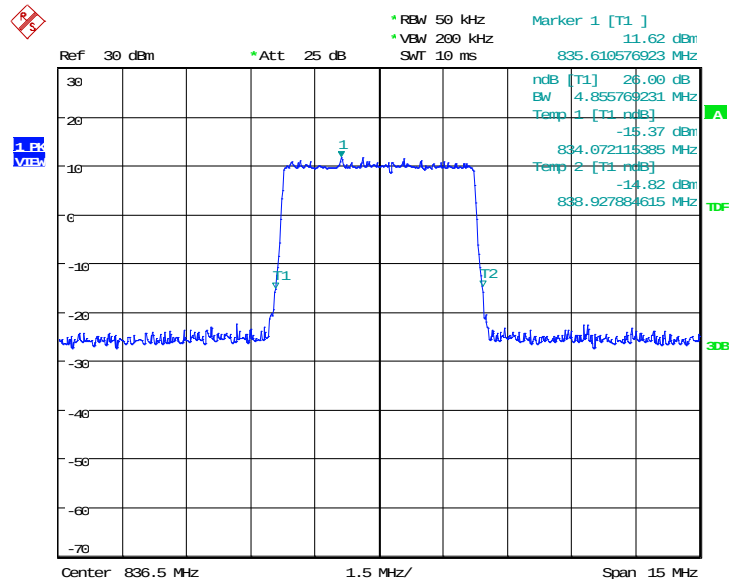
Date: 31.MAY.2019 17:44:06

LTE band 5, 5MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 17:44:21

LTE band 5, 5MHz Bandwidth,64QAM (-26dBc BW)

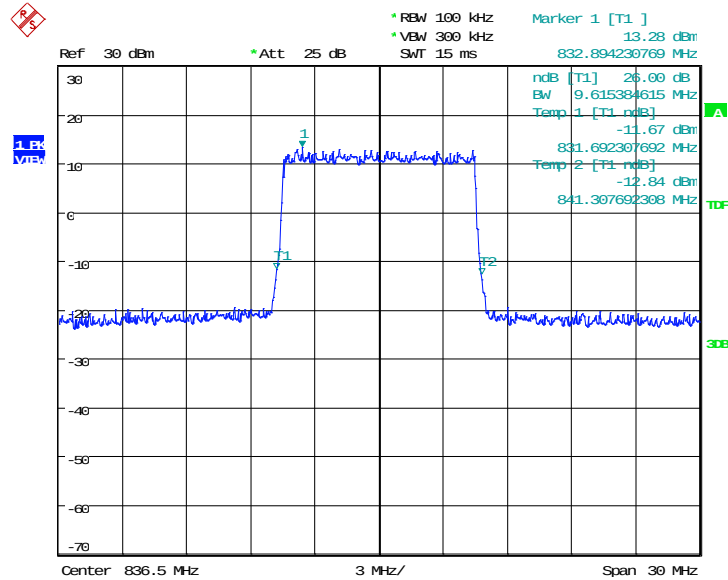


Date: 3.JUN.2019 06:15:58

LTE band 5, 10MHz (-26dBc BW)

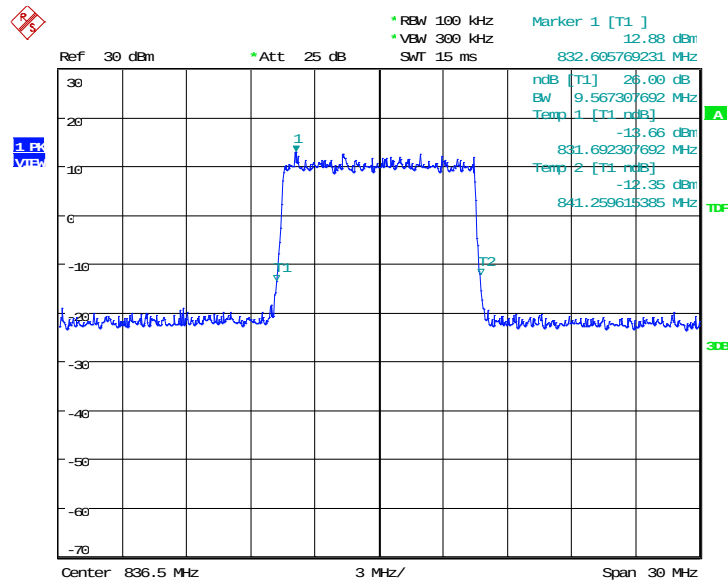
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	9615.38	9567.31	9615.38

LTE band 5, 10MHz Bandwidth, QPSK (-26dBc BW)



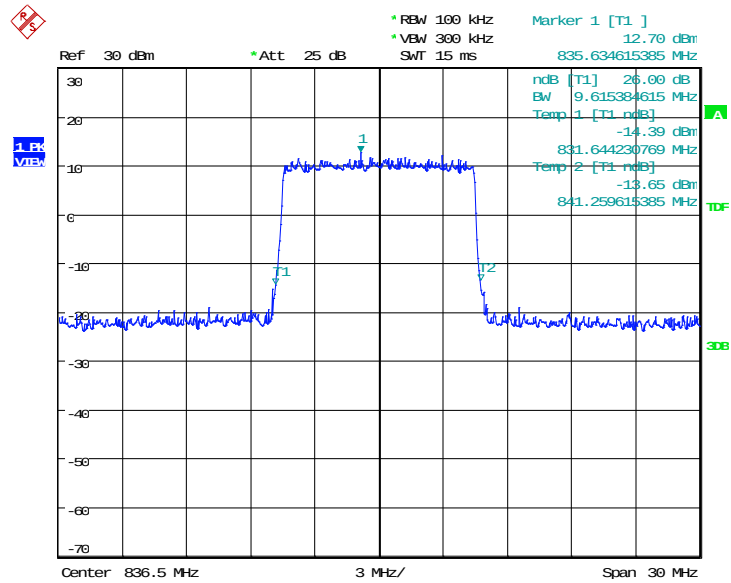
Date: 31.MAY.2019 17:47:14

LTE band 5, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 17:47:30

LTE band 5, 10MHz Bandwidth, 64QAM (-26dBc BW)

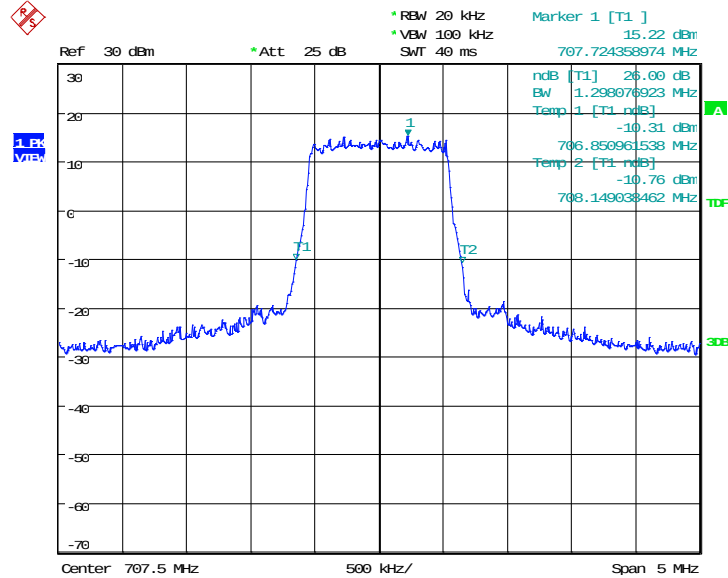


Date: 3.JUN.2019 06:18:31

LTE band 12, 1.4MHz (-26dBc BW)

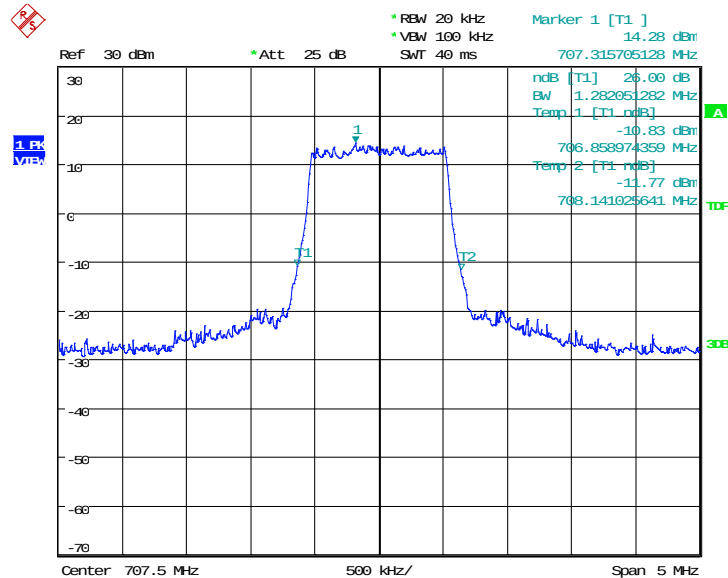
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
707.5	QPSK	16QAM	64QAM
	1298.08	1282.05	1282.05

LTE band 12, 1.4MHz Bandwidth, QPSK (-26dBc BW)



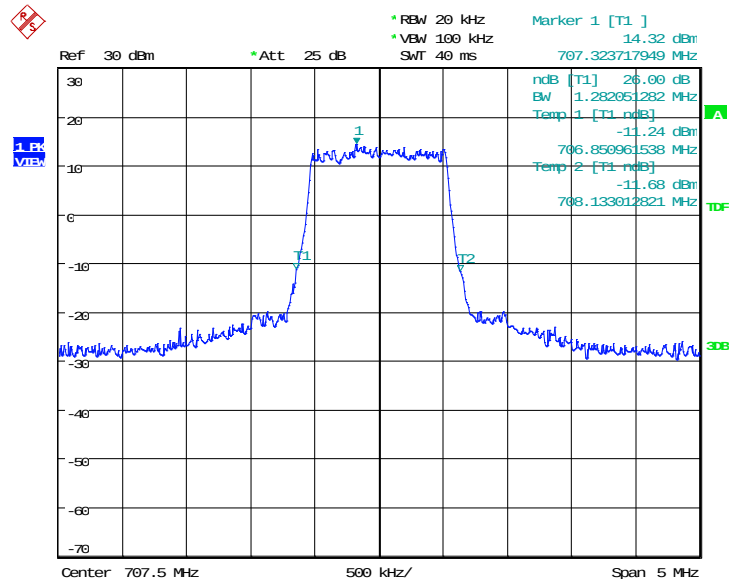
Date: 31.MAY.2019 18:28:14

LTE band 12, 1.4MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:28:29

LTE band 12, 1.4MHz Bandwidth, 64QAM (-26dBc BW)

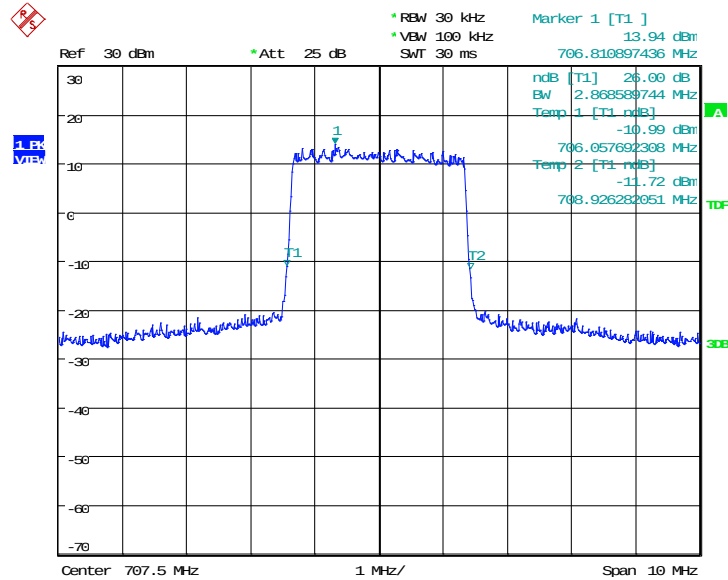


Date: 3.JUN.2019 06:51:49

LTE band 12, 3MHz (-26dBc BW)

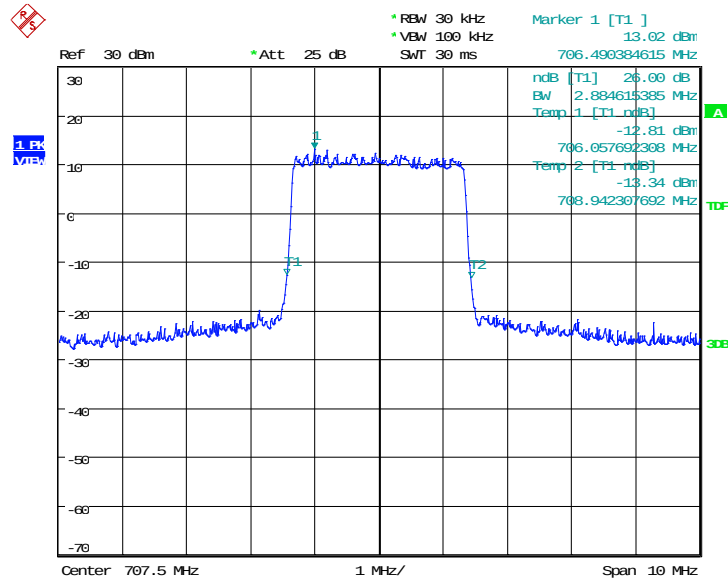
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
707.5	QPSK	16QAM	64QAM
	2868.59	2884.62	2884.62

LTE band 12, 3MHz Bandwidth, QPSK (-26dBc BW)



Date: 31.MAY.2019 18:31:22

LTE band 12, 3MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:31:37

Ref 30 dBm * Att 25 dB * RBW 30 kHz * VBW 100 kHz Marker 1 [T1] 13.35 dBm

706.474358974 MHz

ndB [T1] 26.00 dB
 BW 2.884615385 MHz
 Temp 1 [T1 ndB] -12.14 dBm
 706.057692308 MHz
 Temp 2 [T1 ndB] -11.56 dBm
 708.942307692 MHz

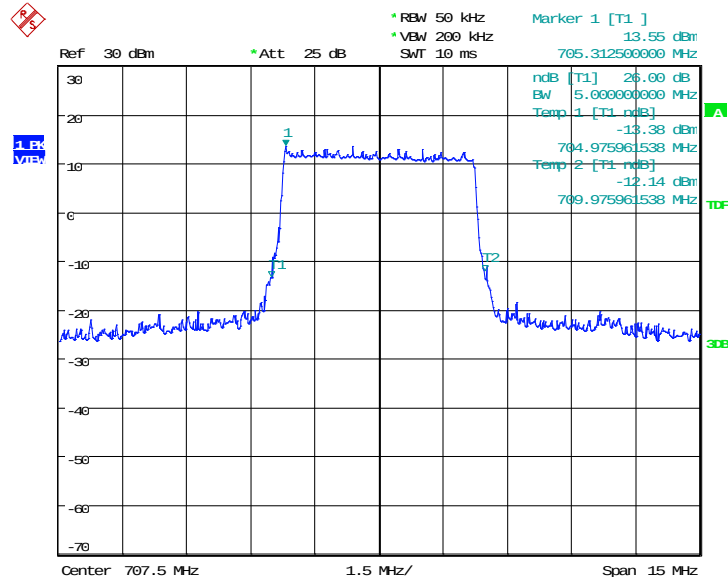
Center 707.5 MHz 1 MHz/div Span 10 MHz

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LTE band 12, 5MHz (-26dBc BW)

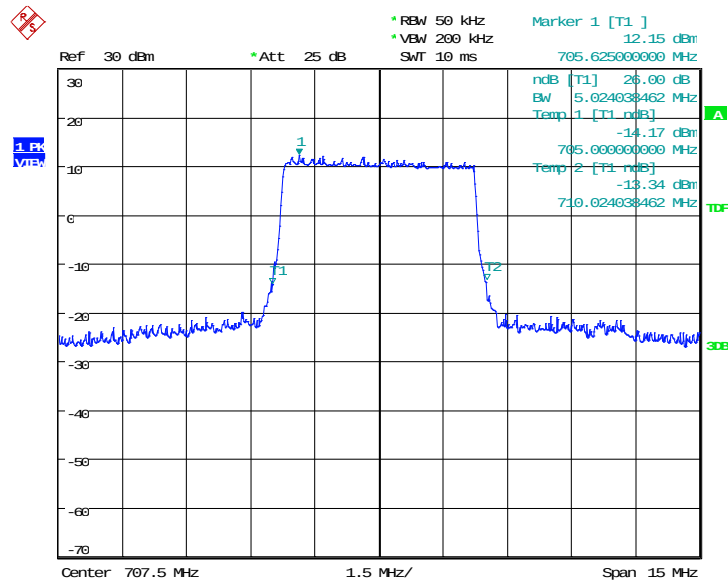
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
707.5	QPSK	16QAM	64QAM
	5000.00	5024.04	5024.04

LTE band 12, 5MHz Bandwidth, QPSK (-26dBc BW)



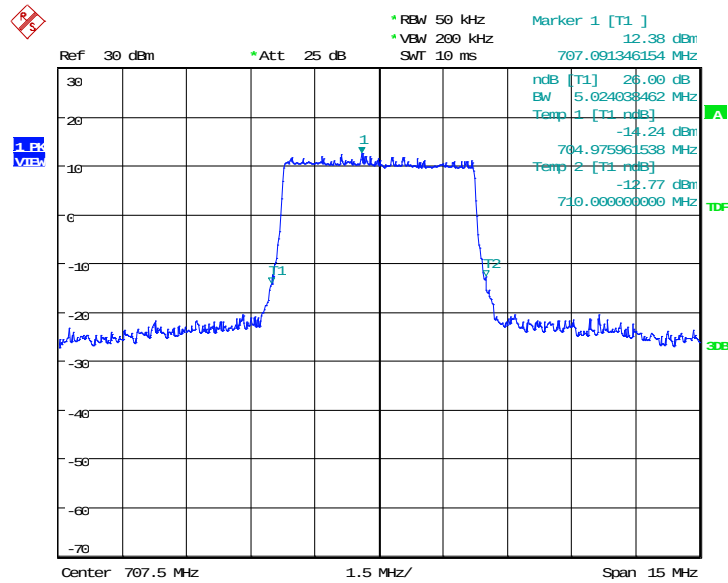
Date: 31.MAY.2019 18:34:30

LTE band 12, 5MHz Bandwidth,16QAM (-26dBc BW)



Date: 31.MAY.2019 18:34:46

LTE band 12, 5MHz Bandwidth,64QAM (-26dBc BW)

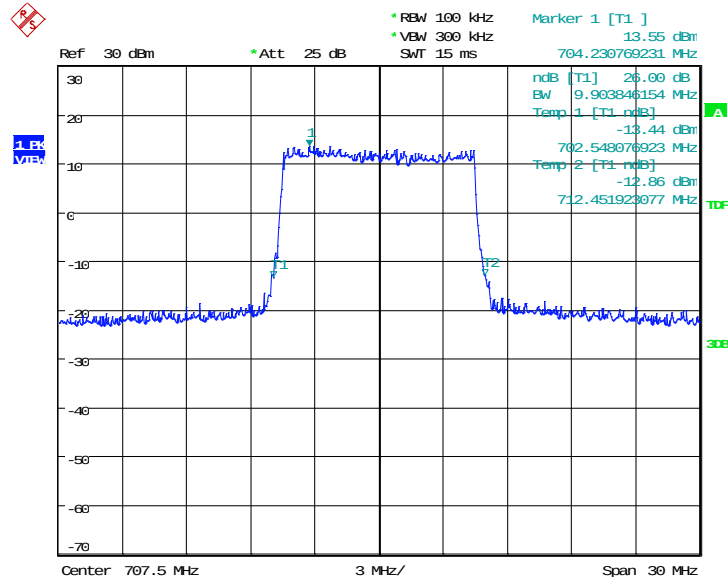


Date: 3.JUN.2019 06:56:54

LTE band 12, 10MHz (-26dBc BW)

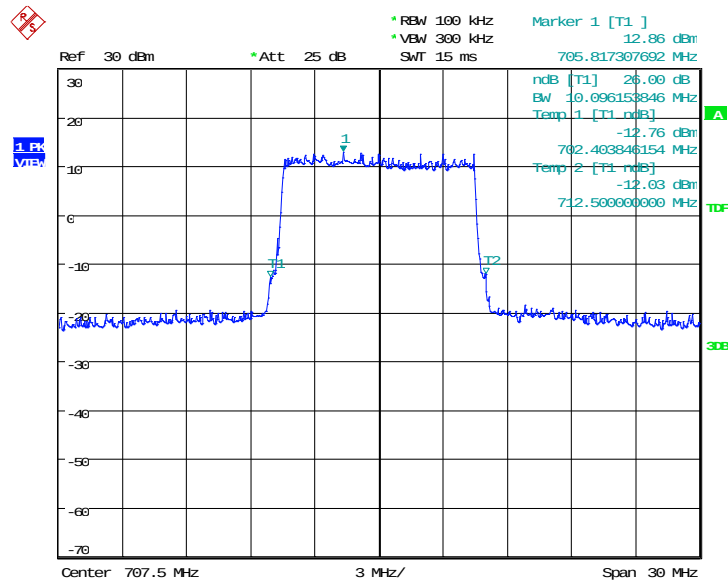
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
707.5	QPSK	16QAM	64QAM
	9903.85	10096.15	9855.77

LTE band 12, 10MHz Bandwidth, QPSK (-26dBc BW)



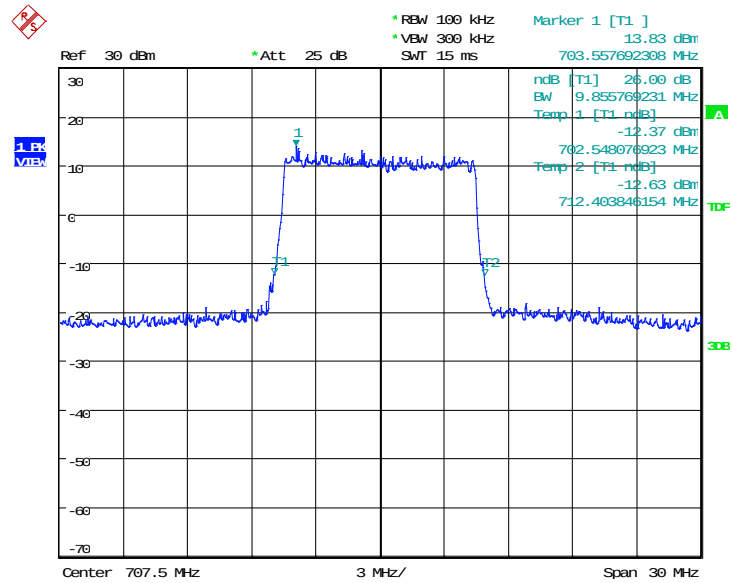
Date: 31.MAY.2019 18:37:38

LTE band 12, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:37:54

LTE band 12, 10MHz Bandwidth, 64QAM (-26dBc BW)

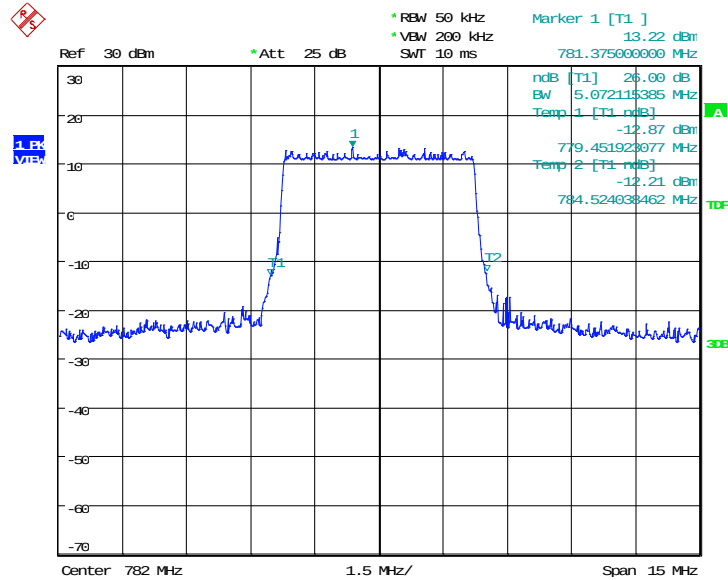


Date: 3.JUN.2019 06:59:27

LTE band 13, 5MHz (-26dBc BW)

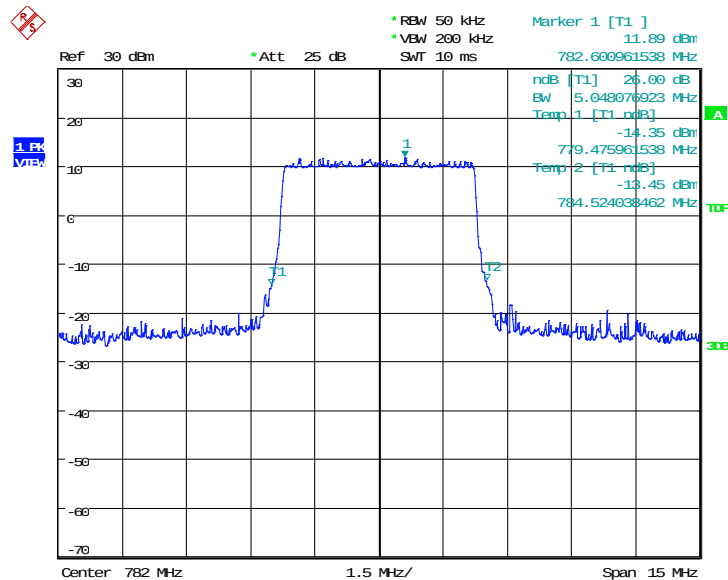
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
782.0	QPSK	16QAM	64QAM
	5072.12	5048.08	5048.08

LTE band 13, 5MHz Bandwidth, QPSK (-26dBc BW)



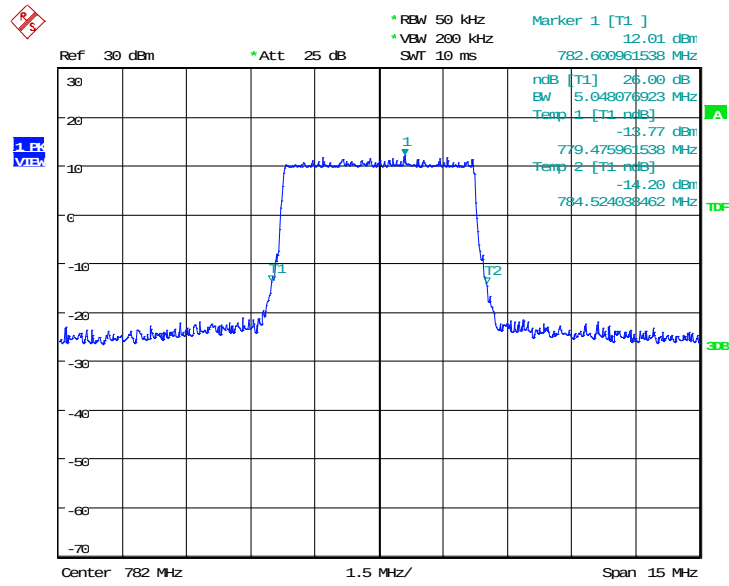
Date: 31.MAY.2019 17:31:28

LTE band 13, 5MHz Bandwidth,16QAM (-26dBc BW)



Date: 31.MAY.2019 17:31:44

LTE band 13, 5MHz Bandwidth,64QAM (-26dBc BW)

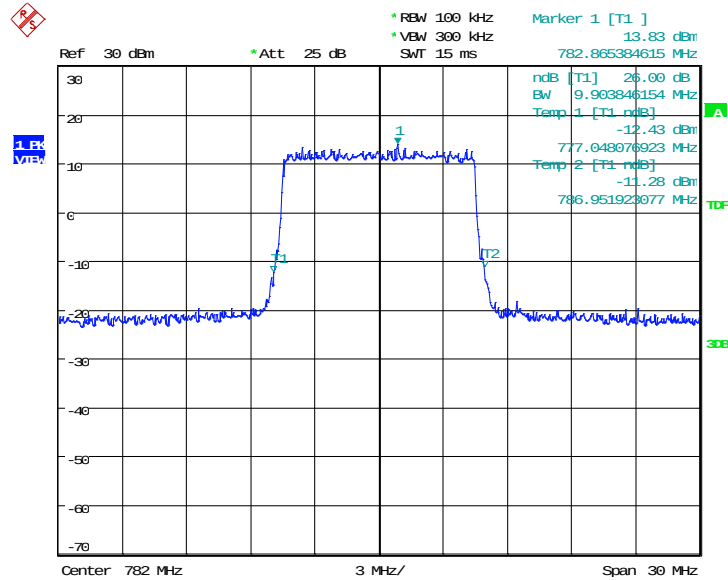


Date: 3.JUN.2019 06:05:43

LTE band 13, 10MHz (-26dBc BW)

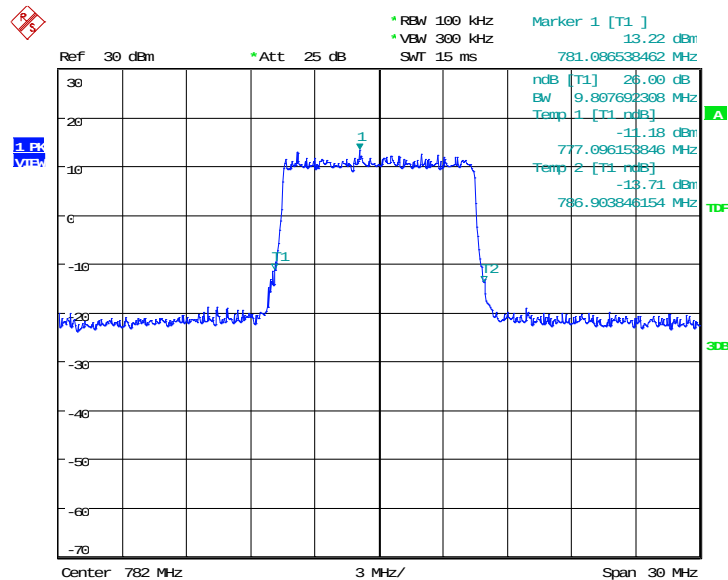
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
782.0	QPSK	16QAM	64QAM
	9903.85	9807.69	9903.85

LTE band 13, 10MHz Bandwidth, QPSK (-26dBc BW)



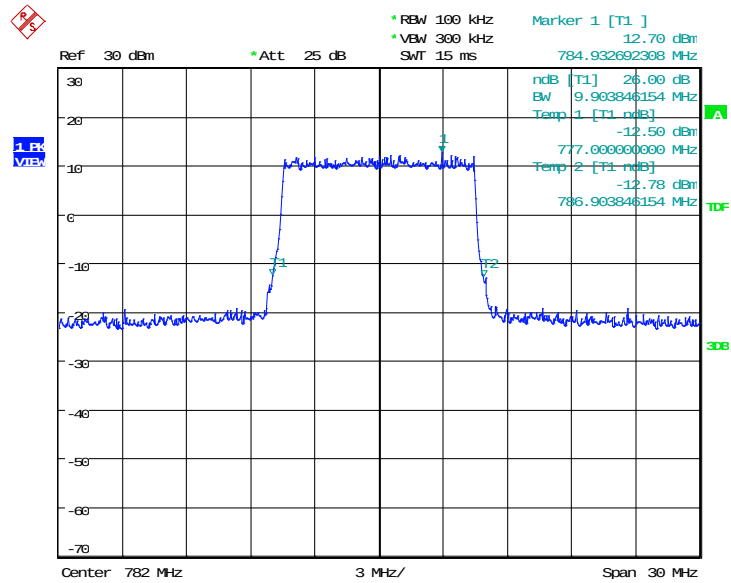
Date: 31.MAY.2019 17:34:37

LTE band 13, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 17:34:52

LTE band 13, 10MHz Bandwidth, 64QAM (-26dBc BW)

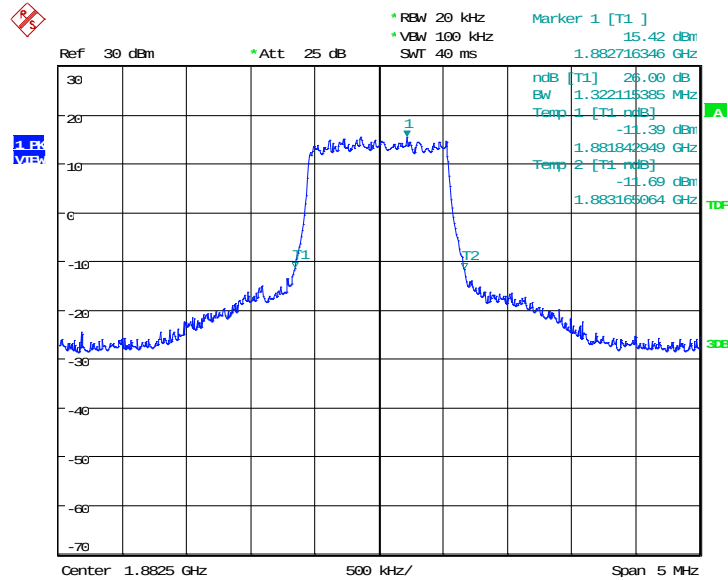


Date: 3.JUN.2019 06:08:16

LTE band 25, 1.4MHz (-26dBc BW)

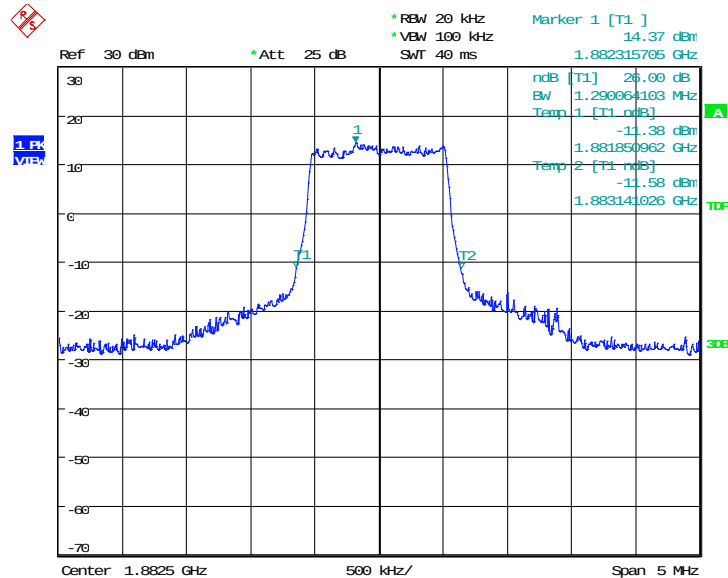
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1882.5	QPSK	16QAM	64QAM
	1322.12	1290.06	1290.06

LTE band 25, 1.4MHz Bandwidth, QPSK (-26dBc BW)



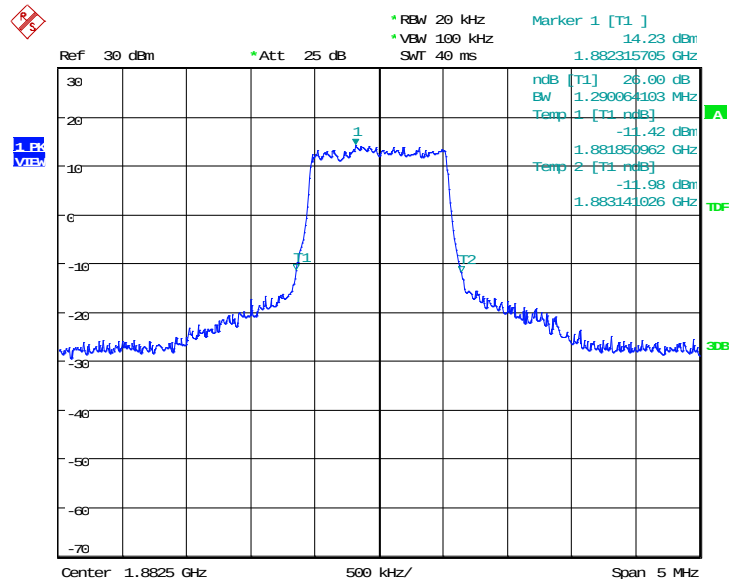
Date: 31.MAY.2019 18:40:51

LTE band 25, 1.4MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:41:07

LTE band 25, 1.4MHz Bandwidth, 64QAM (-26dBc BW)

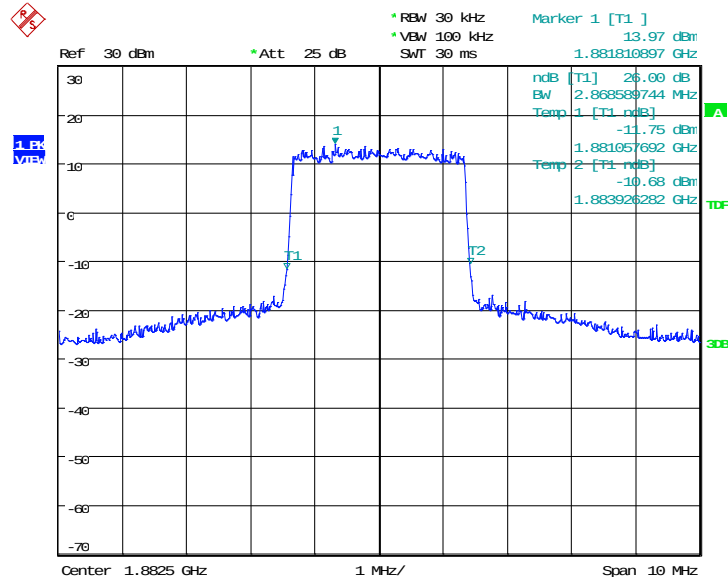


Date: 3.JUN.2019 07:02:04

LTE band 25, 3MHz (-26dBc BW)

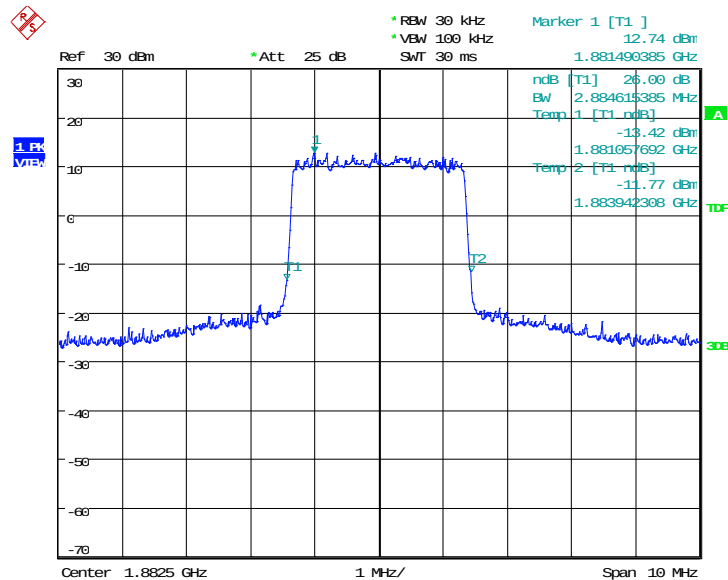
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1882.5	QPSK	16QAM	64QAM
	2868.59	2884.62	2916.67

LTE band 25, 3MHz Bandwidth, QPSK (-26dBc BW)



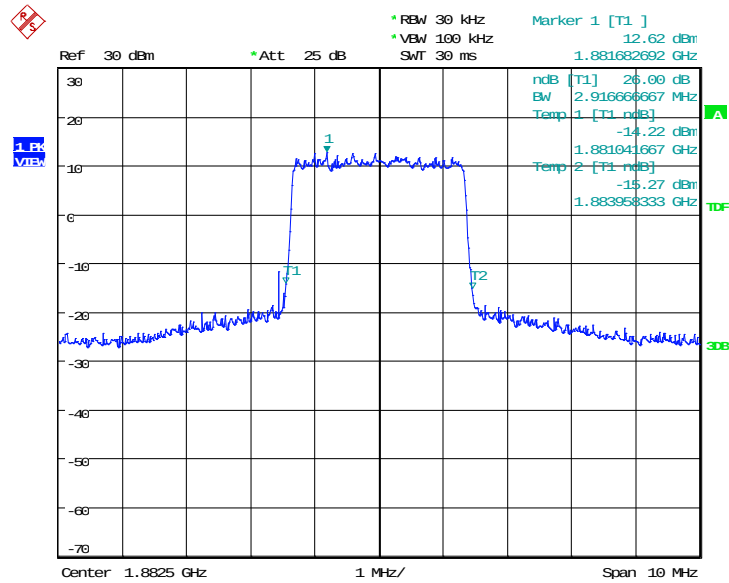
Date: 31.MAY.2019 18:43:59

LTE band 25, 3MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:44:15

LTE band 25, 3MHz Bandwidth, 64QAM (-26dBc BW)

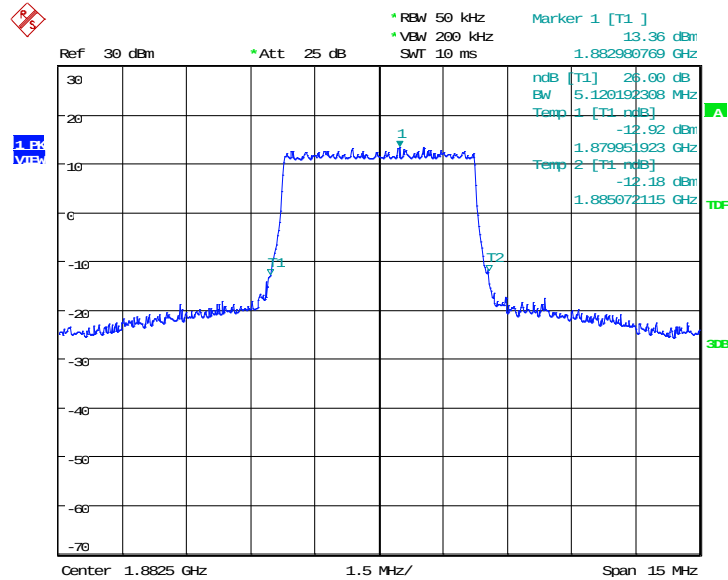


Date: 3.JUN.2019 07:04:36

LTE band 25, 5MHz (-26dBc BW)

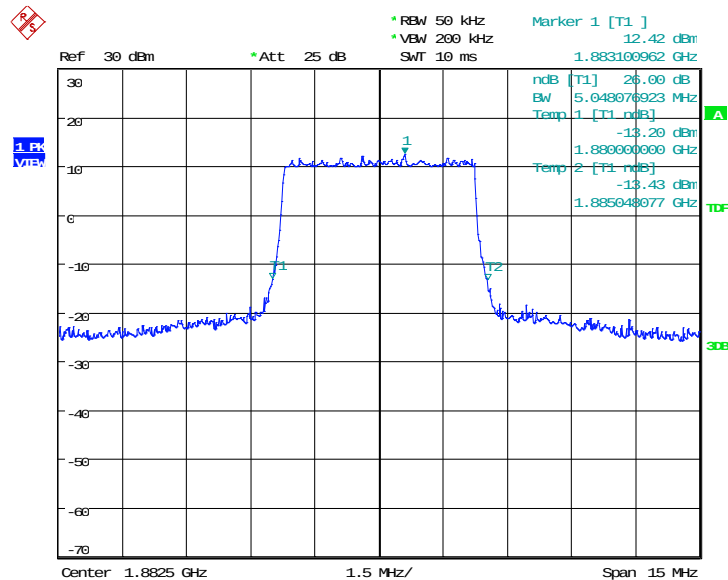
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1882.5	QPSK	16QAM	64QAM
	5120.19	5048.08	5024.04

LTE band 25, 5MHz Bandwidth, QPSK (-26dBc BW)



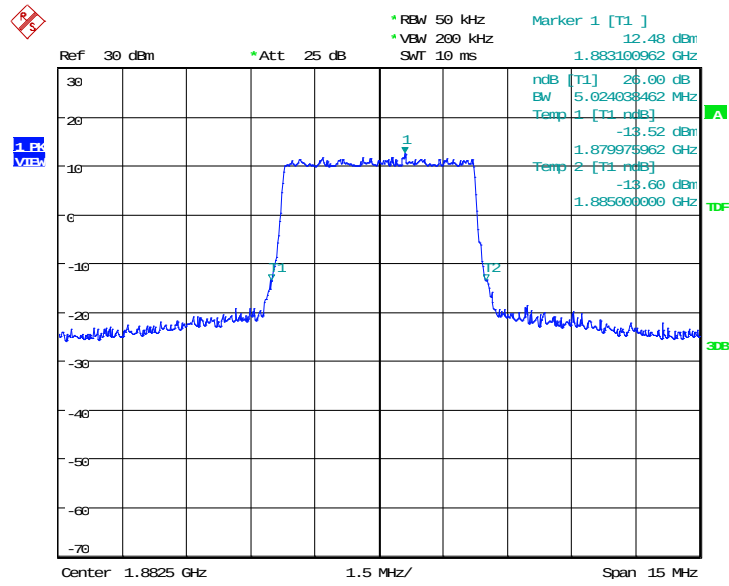
Date: 31.MAY.2019 18:47:07

LTE band 25, 5MHz Bandwidth,16QAM (-26dBc BW)



Date: 31.MAY.2019 18:47:23

LTE band 25, 5MHz Bandwidth,64QAM (-26dBc BW)

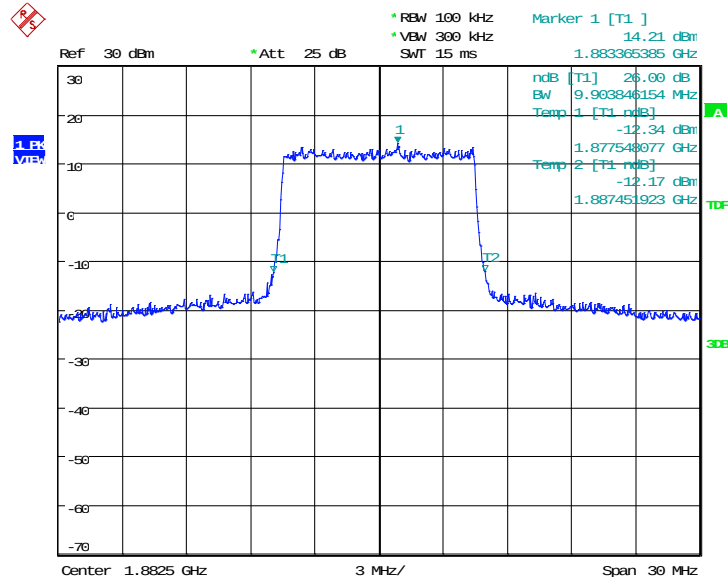


Date: 3.JUN.2019 07:07:09

LTE band 25, 10MHz (-26dBc BW)

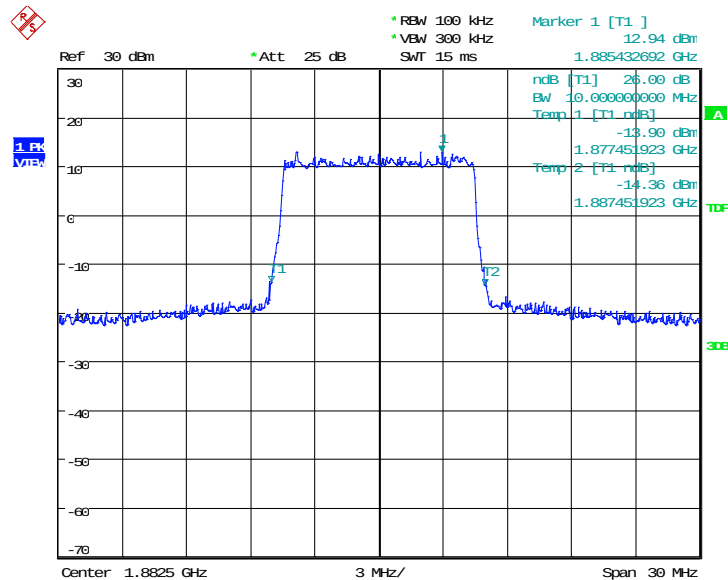
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1882.5	QPSK	16QAM	64QAM
	9903.85	10000.00	10000.00

LTE band 25, 10MHz Bandwidth, QPSK (-26dBc BW)



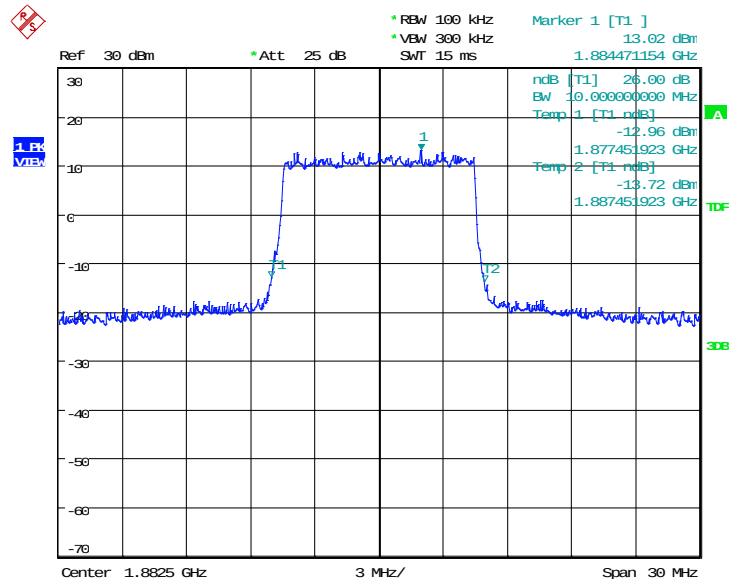
Date: 31.MAY.2019 18:50:16

LTE band 25, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:50:31

LTE band 25, 10MHz Bandwidth, 64QAM (-26dBc BW)

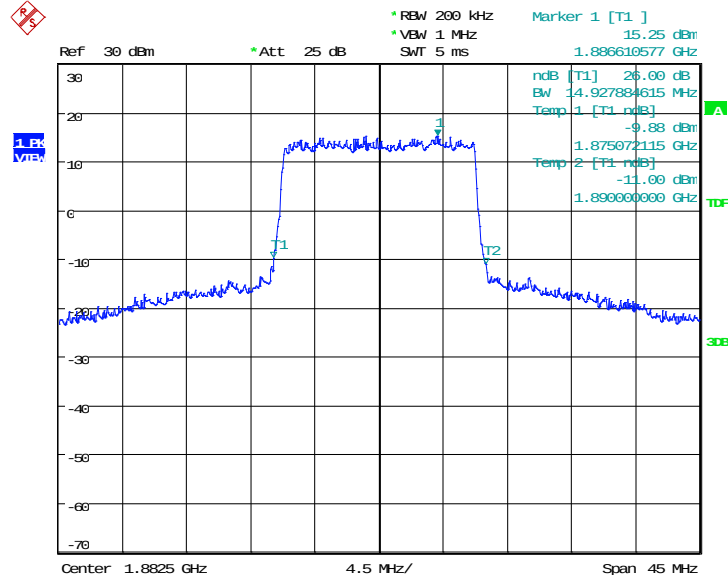


Date: 3.JUN.2019 07:09:42

LTE band 25, 15MHz (-26dBc BW)

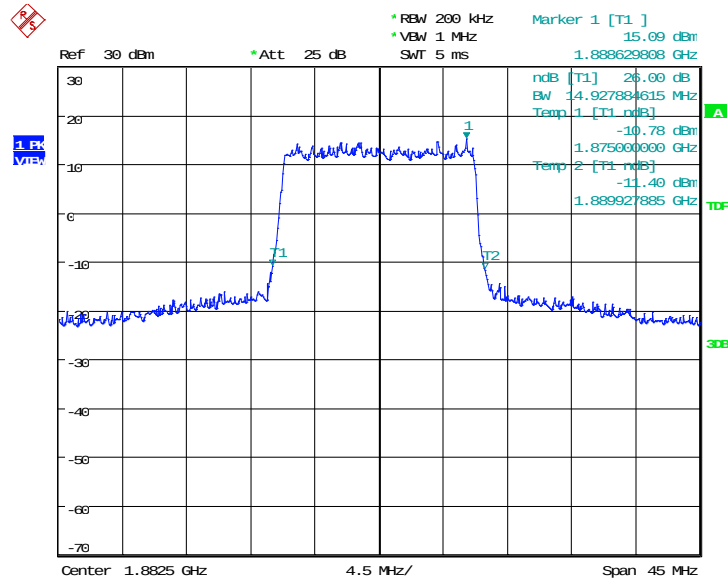
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1882.5	QPSK	16QAM	64QAM
	14927.88	14927.88	15000.00

LTE band 25, 15MHz Bandwidth, QPSK (-26dBc BW)



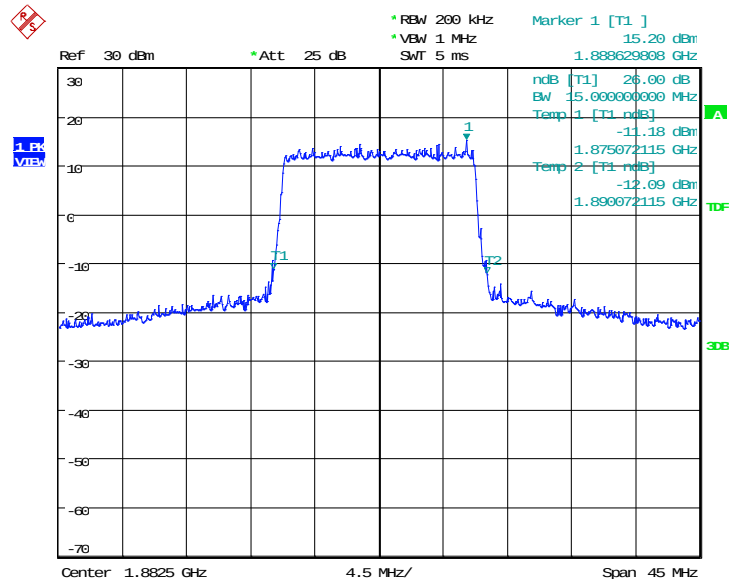
Date: 31.MAY.2019 18:53:24

LTE band 25, 15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:53:40

LTE band 25, 15MHz Bandwidth, 64QAM (-26dBc BW)

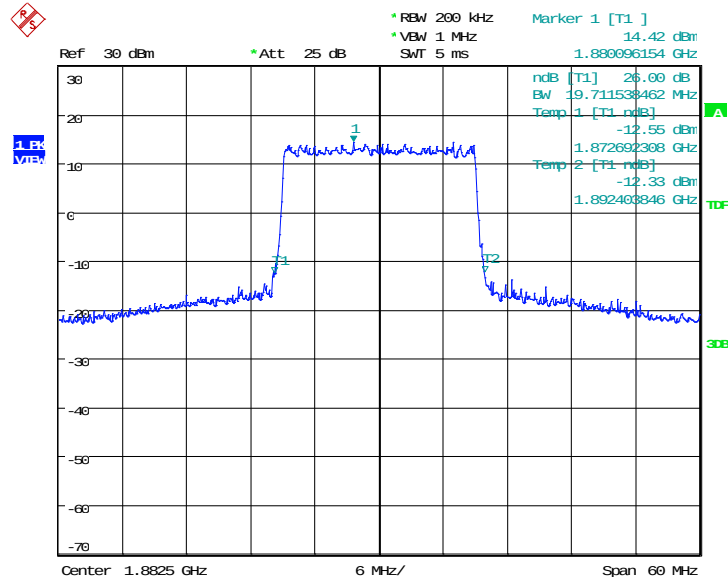


Date: 3.JUN.2019 07:12:15

LTE band 25, 20MHz (-26dBc BW)

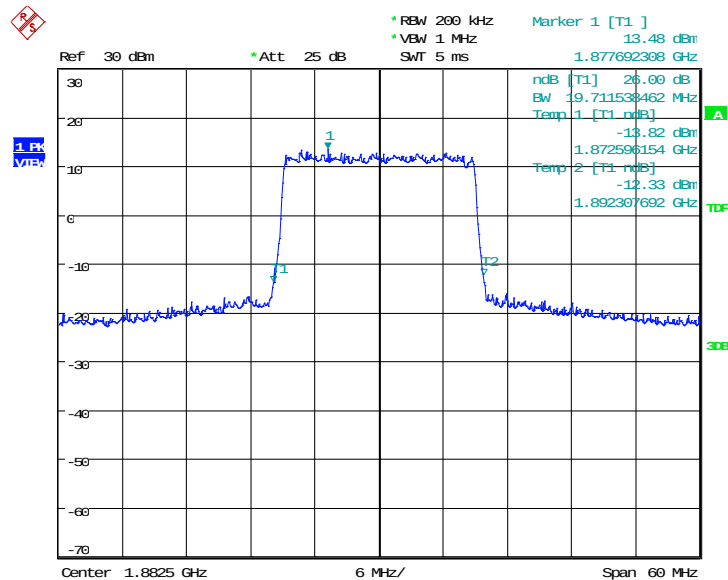
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1882.5	QPSK	16QAM	64QAM
	19711.54	19711.54	19615.38

LTE band 25, 20MHz Bandwidth, QPSK (-26dBc BW)



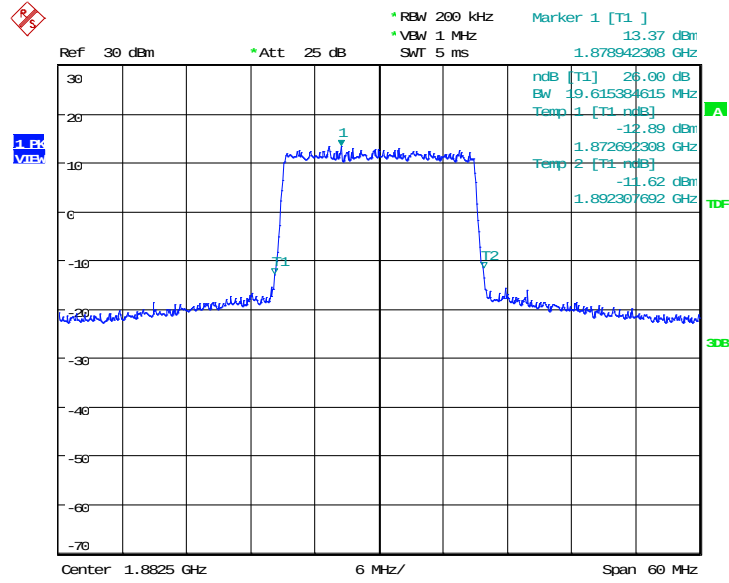
Date: 31.MAY.2019 18:56:33

LTE band 25, 20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:56:48

LTE band 25, 20MHz Bandwidth, 64QAM (-26dBc BW)

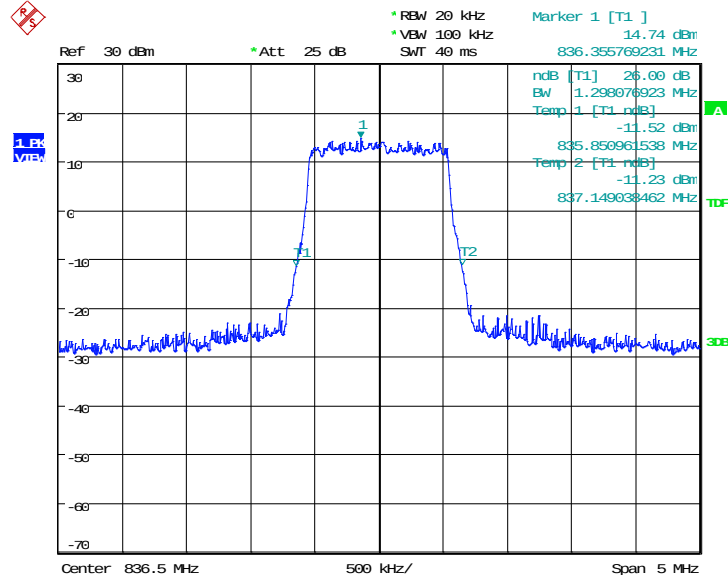


Date: 3.JUN.2019 07:14:48

LTE band 26(824MHz-849MHz), 1.4MHz (-26dBc BW)

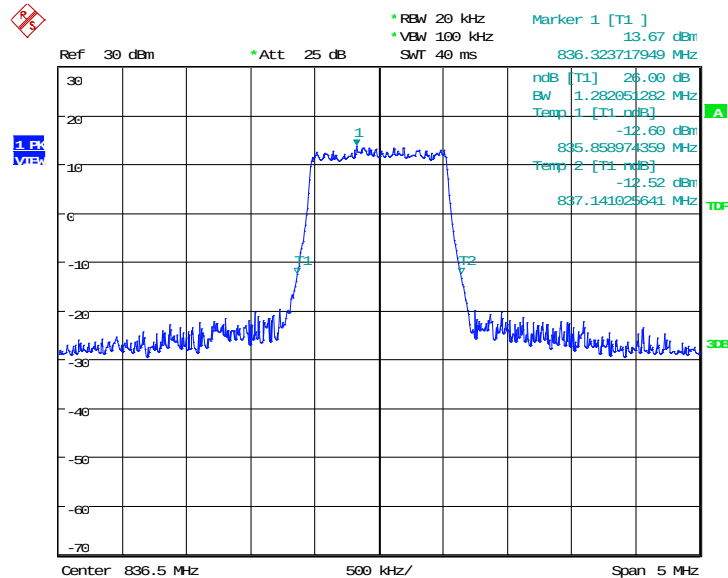
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	1298.08	1282.05	1274.04

LTE band 26(824MHz-849MHz), 1.4MHz Bandwidth, QPSK (-26dBc BW)



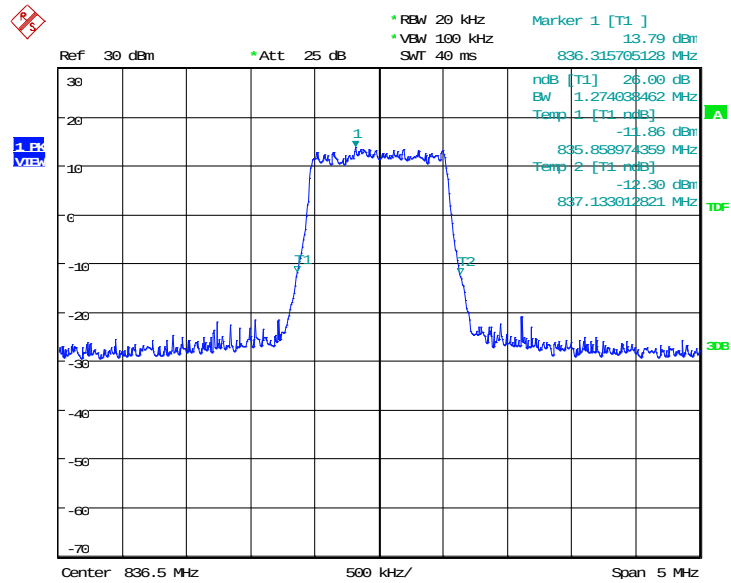
Date: 31.MAY.2019 18:59:44

LTE band 26(824MHz-849MHz), 1.4MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 19:00:00

LTE band 26(824MHz-849MHz), 1.4MHz Bandwidth, 64QAM (-26dBc BW)

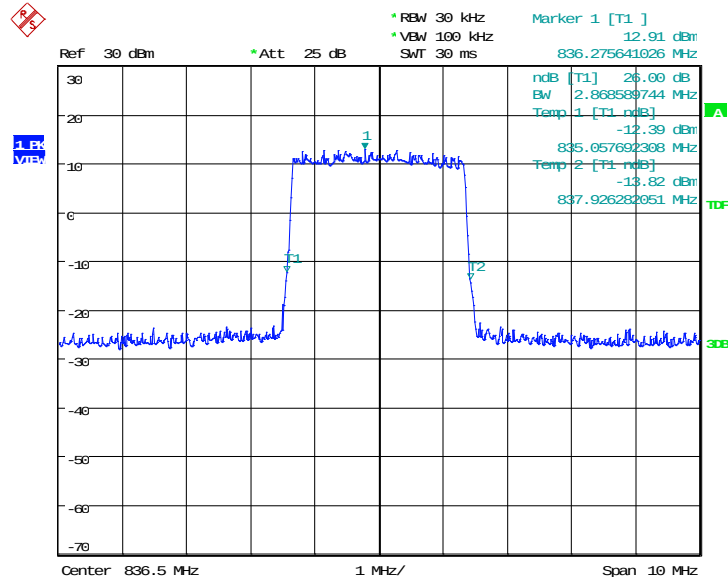


Date: 3.JUN.2019 07:17:25

LTE band 26(824MHz-849MHz), 3MHz (-26dBc BW)

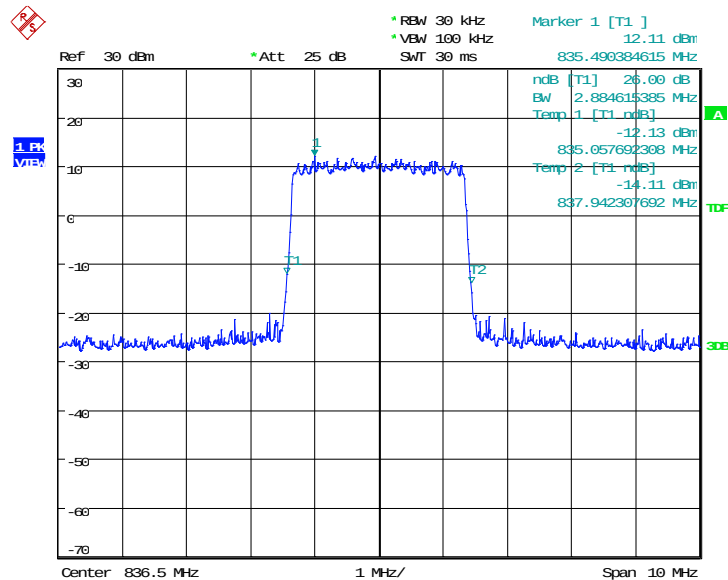
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	2868.59	2884.62	2884.62

LTE band 26(824MHz-849MHz), 3MHz Bandwidth, QPSK (-26dBc BW)



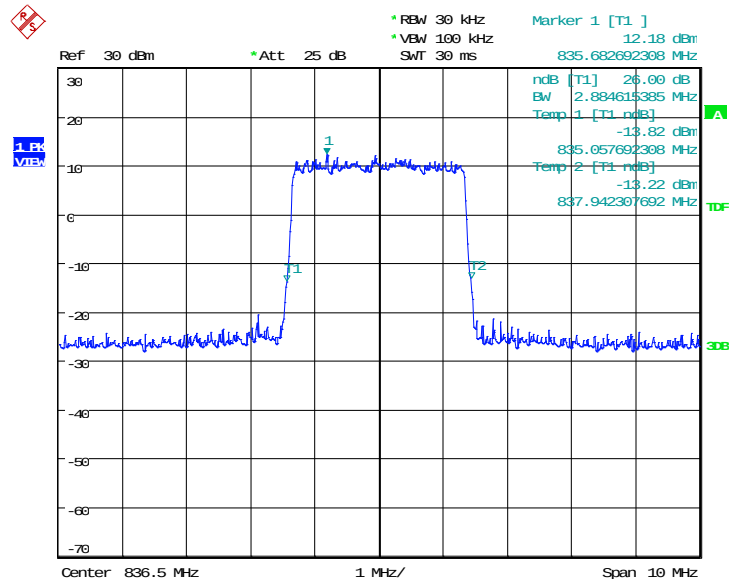
Date: 31.MAY.2019 19:02:52

LTE band 26(824MHz-849MHz), 3MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 19:03:08

LTE band 26(824MHz-849MHz), 3MHz Bandwidth, 64QAM (-26dBc BW)

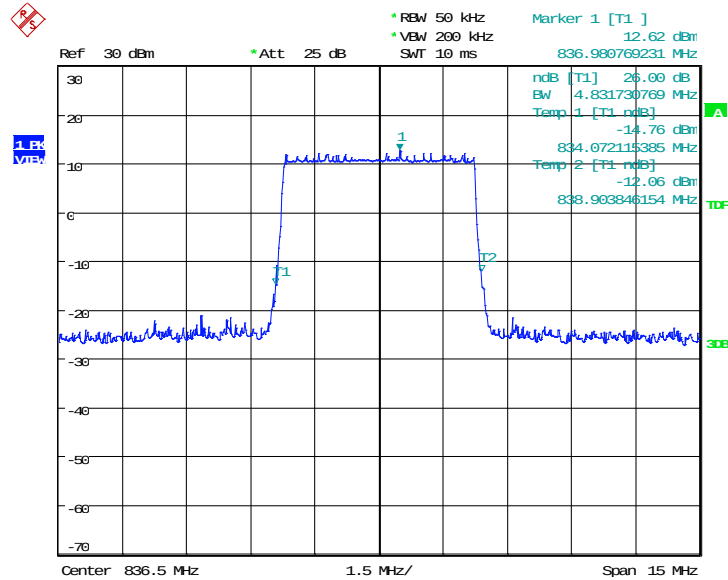


Date: 3.JUN.2019 07:19:57

LTE band 26(824MHz-849MHz), 5MHz (-26dBc BW)

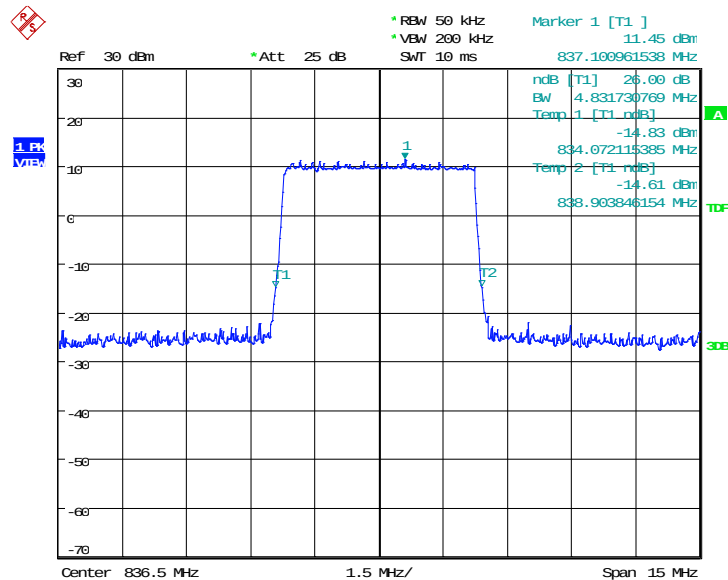
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	4831.73	4831.73	4831.73

LTE band 26(824MHz-849MHz), 5MHz Bandwidth, QPSK (-26dBc BW)



Date: 31.MAY.2019 19:06:00

LTE band 26(824MHz-849MHz), 5MHz Bandwidth,16QAM (-26dBc BW)



Date: 31.MAY.2019 19:06:16

Ref 30 dBm Att 25 dB VBW 200 kHz SWT 10 ms

Marker 1 [T1]

11.29 dBm

835.596538462 MHz

ndB [T1] 26.00 dB

BW 4.831730769 MHz

Temp 1 [T1 ndB] -15.54 dBm

834.072115385 MHz

Temp 2 [T1 ndB] -14.41 dBm

838.903846154 MHz

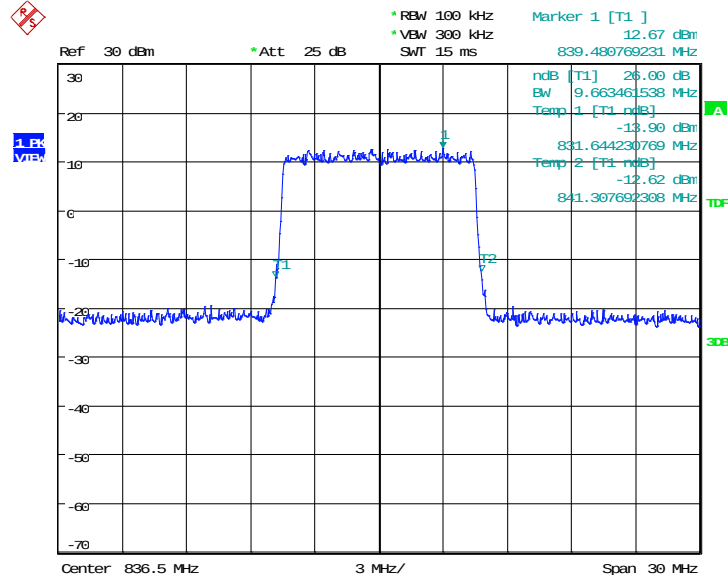
Center 836.5 MHz 1.5 MHz/ Span 15 MHz

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LTE band 26(824MHz-849MHz), 10MHz (-26dBc BW)

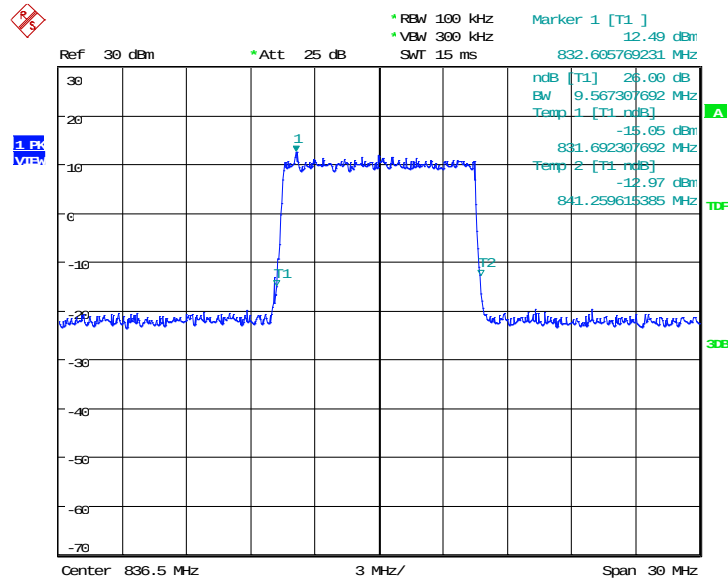
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	9663.46	9567.31	9615.38

LTE band 26(824MHz-849MHz), 10MHz Bandwidth, QPSK (-26dBc BW)



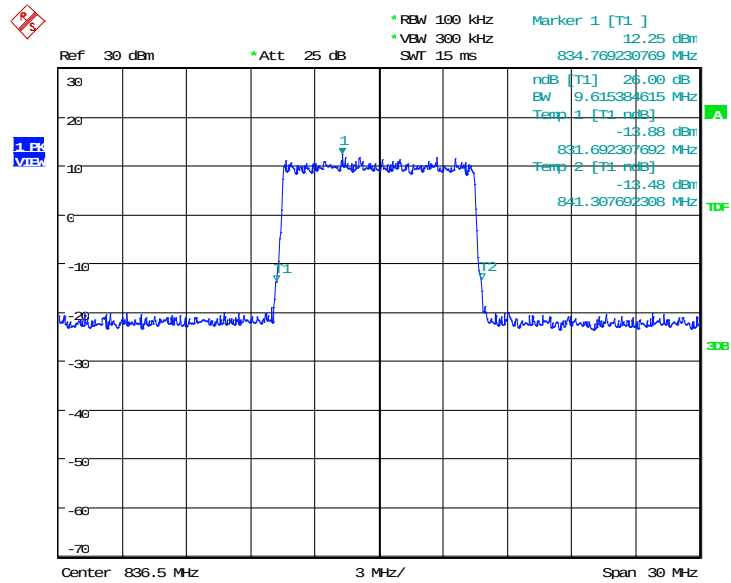
Date: 31.MAY.2019 19:09:09

LTE band 26(824MHz-849MHz), 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 19:09:24

LTE band 26(824MHz-849MHz), 10MHz Bandwidth, 64QAM (-26dBc BW)

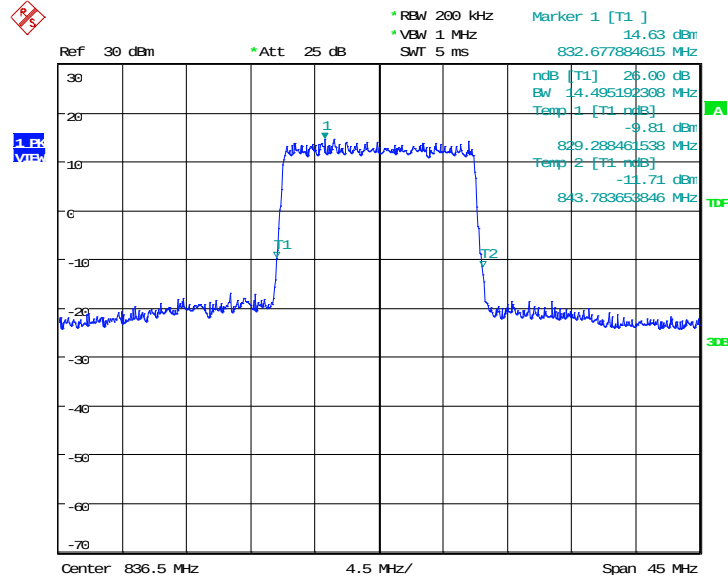


Date: 3.JUN.2019 07:25:03

LTE band 26(824MHz-849MHz), 15MHz (-26dBc BW)

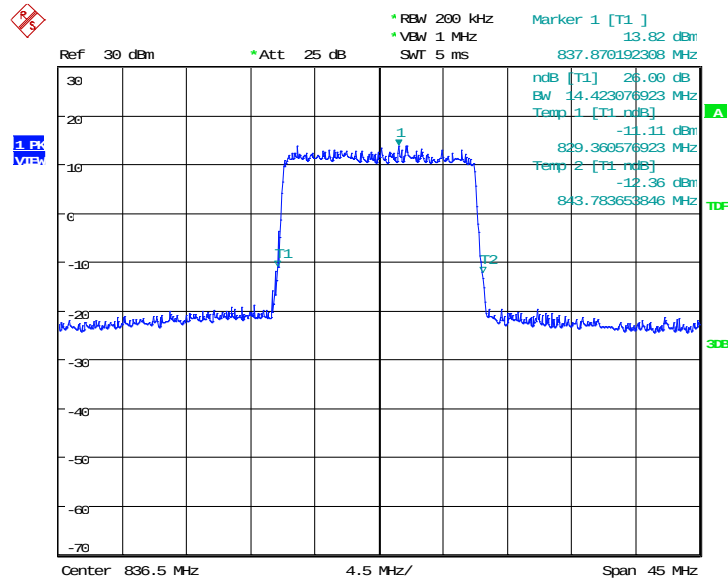
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	14495.19	14423.08	14567.31

LTE band 26(824MHz-849MHz), 15MHz Bandwidth, QPSK (-26dBc BW)



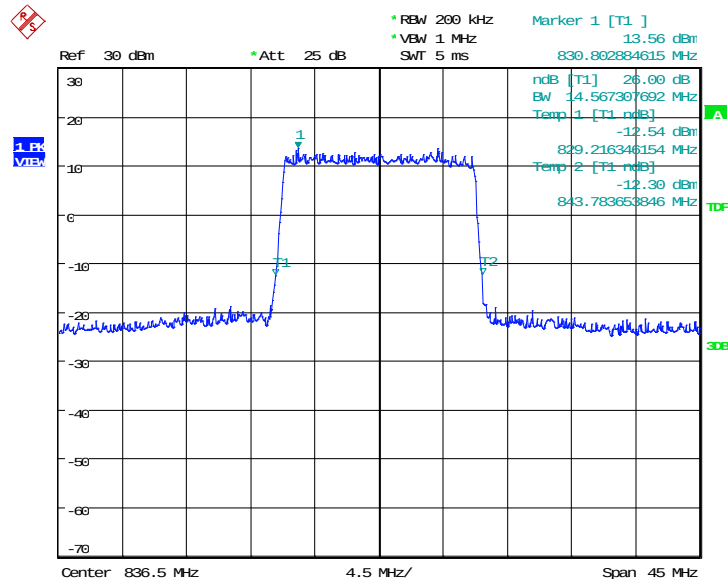
Date: 31.MAY.2019 19:12:17

LTE band 26(824MHz-849MHz), 15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 19:12:33

LTE band 26(824MHz-849MHz), 15MHz Bandwidth, 64QAM (-26dBc BW)



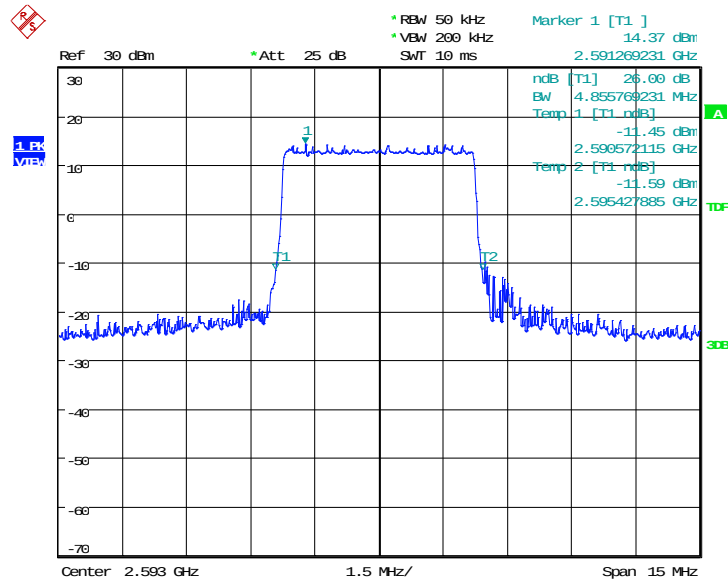
Date: 3.JUN.2019 07:27:36

Normal Power

LTE band 41, 5MHz (-26dBc BW)

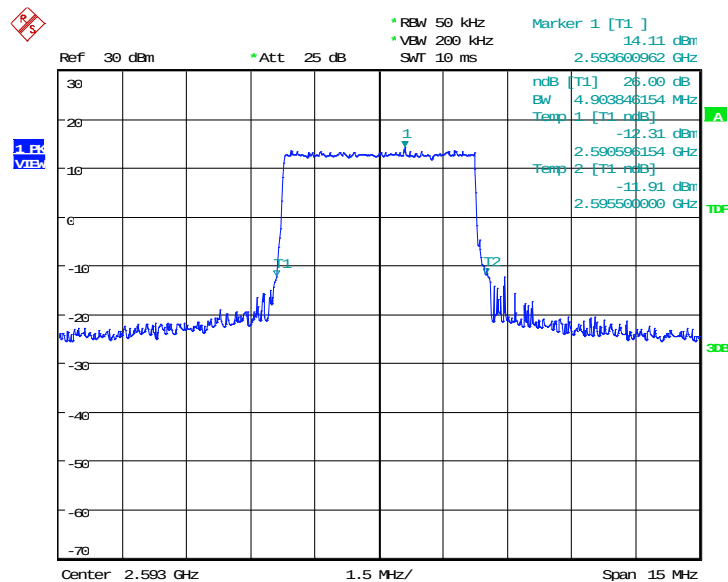
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	4855.77	4903.85	4855.77

LTE band 41, 5MHz Bandwidth, QPSK (-26dBc BW)



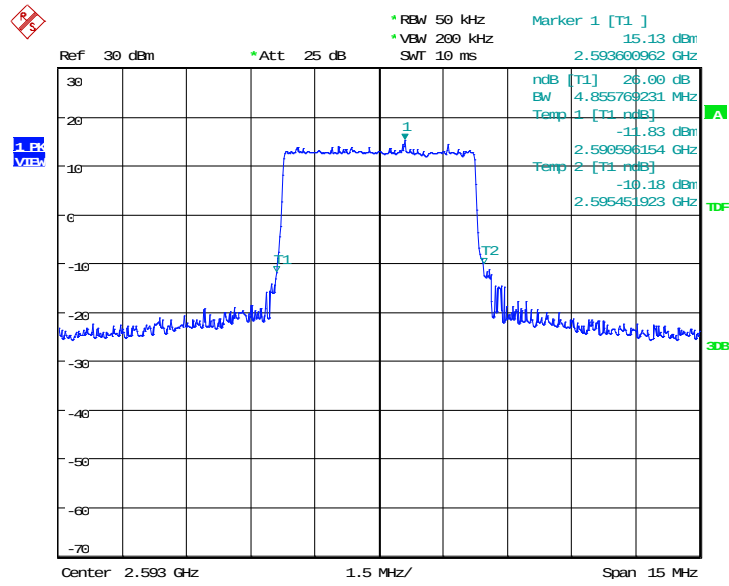
Date: 3.JUN.2019 11:37:33

LTE band 41, 5MHz Bandwidth,16QAM (-26dBc BW)



Date: 3.JUN.2019 11:37:49

LTE band 41, 5MHz Bandwidth,64QAM (-26dBc BW)

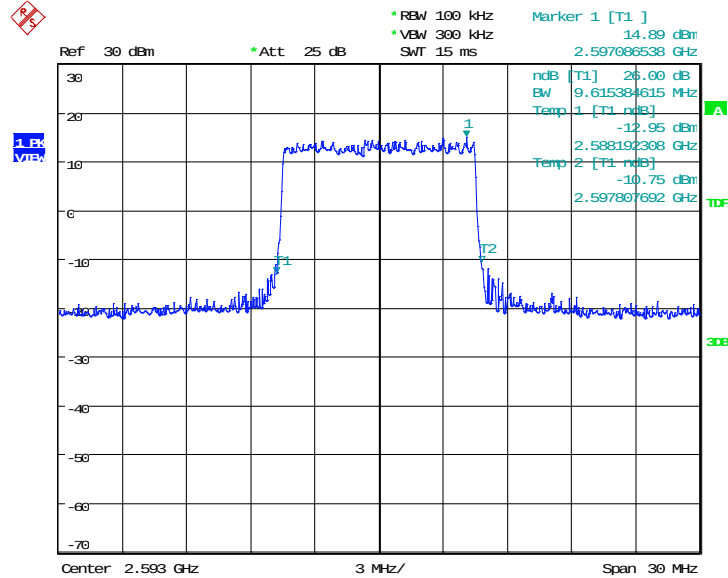


Date: 3.JUN.2019 12:25:34

LTE band 41, 10MHz (-26dBc BW)

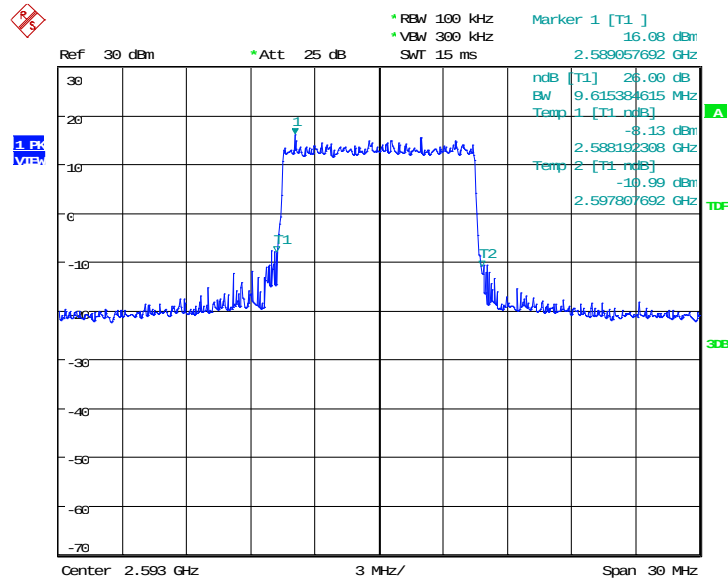
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	9615.38	9615.38	9519.23

LTE band 41, 10MHz Bandwidth, QPSK (-26dBc BW)



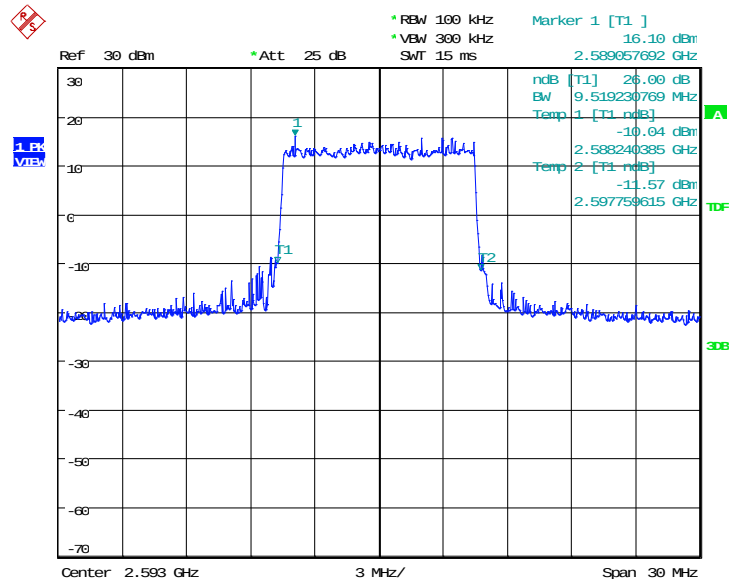
Date: 3.JUN.2019 11:40:40

LTE band 41, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 3.JUN.2019 11:40:56

LTE band 41, 10MHz Bandwidth, 64QAM (-26dBc BW)

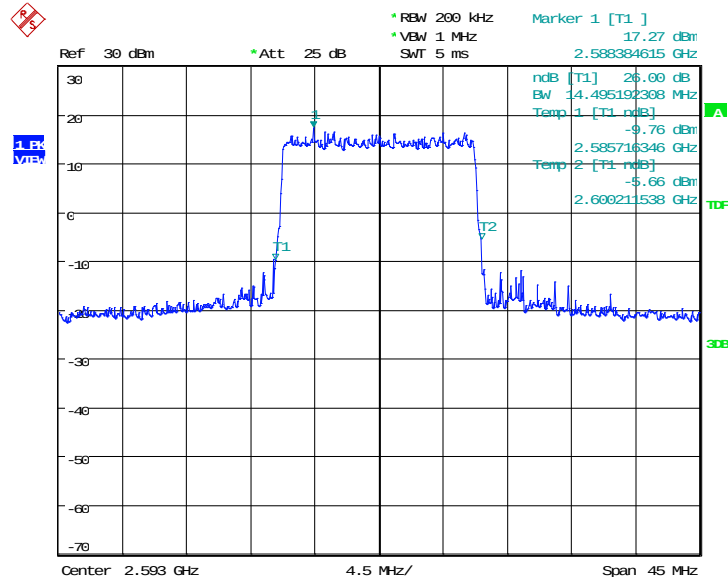


Date: 3.JUN.2019 12:28:05

LTE band 41, 15MHz (-26dBc BW)

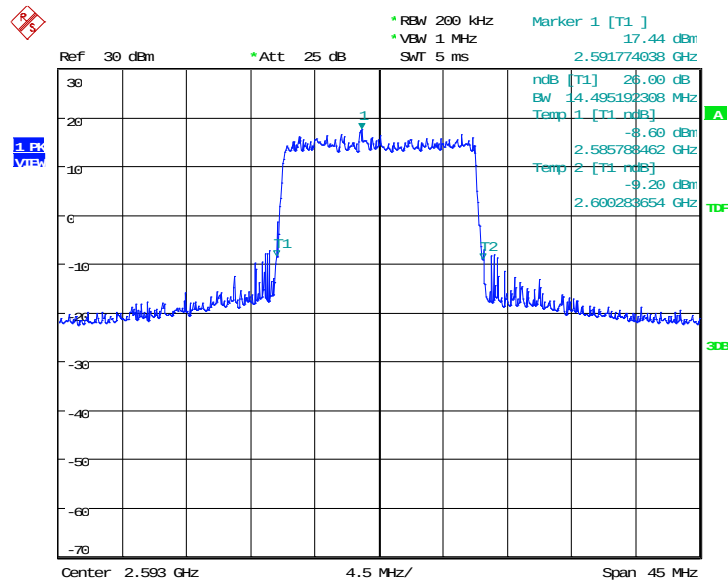
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	14495.19	14495.19	14567.31

LTE band 41, 15MHz Bandwidth, QPSK (-26dBc BW)



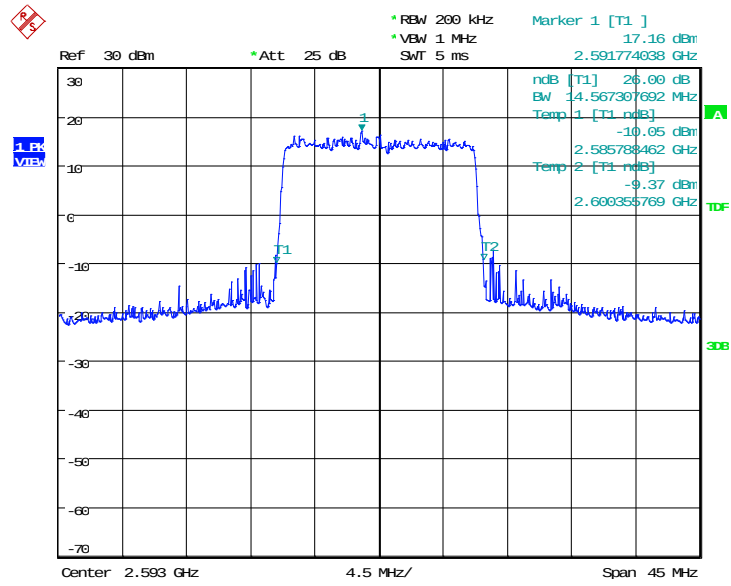
Date: 3.JUN.2019 11:43:48

LTE band 41, 15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 3.JUN.2019 11:44:04

LTE band 41, 15MHz Bandwidth, 64QAM (-26dBc BW)

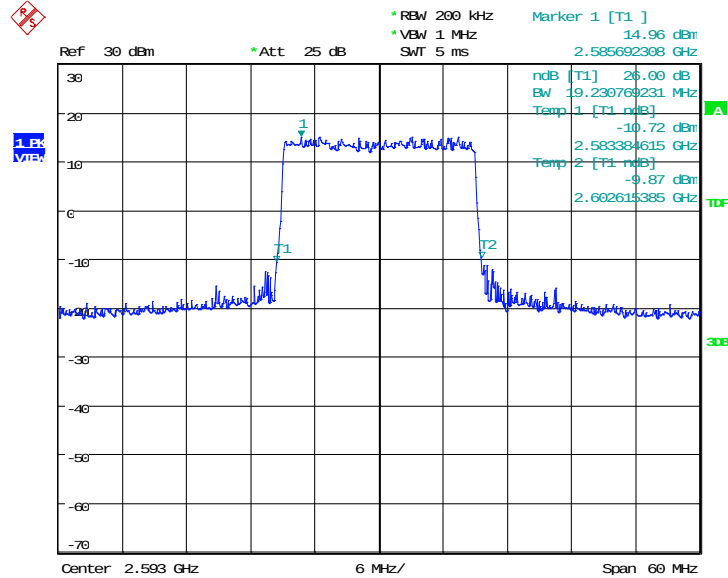


Date: 3.JUN.2019 12:30:39

LTE band 41, 20MHz (-26dBc BW)

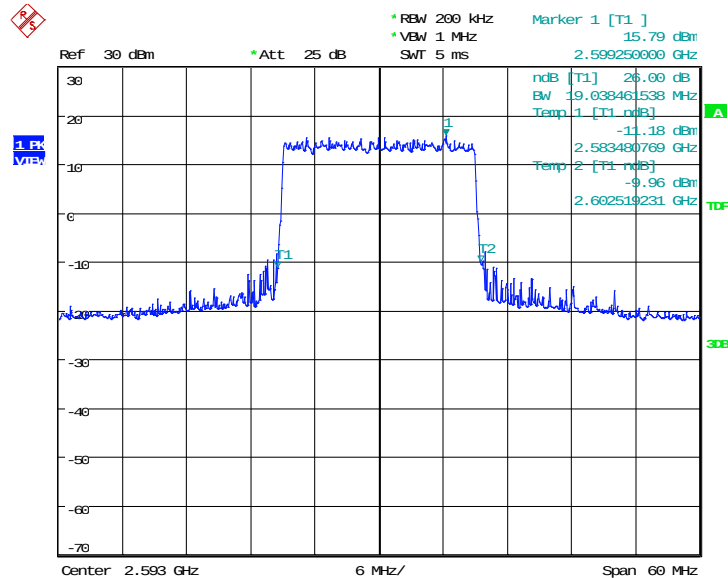
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	19230.77	19038.46	19326.92

LTE band 41, 20MHz Bandwidth, QPSK (-26dBc BW)



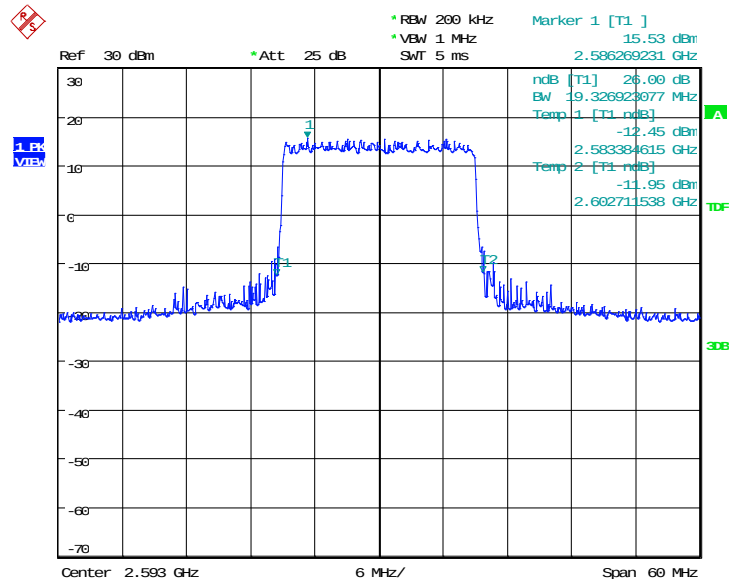
Date: 3.JUN.2019 11:46:58

LTE band 41, 20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 3.JUN.2019 11:47:14

LTE band 41, 20MHz Bandwidth, 64QAM (-26dBc BW)



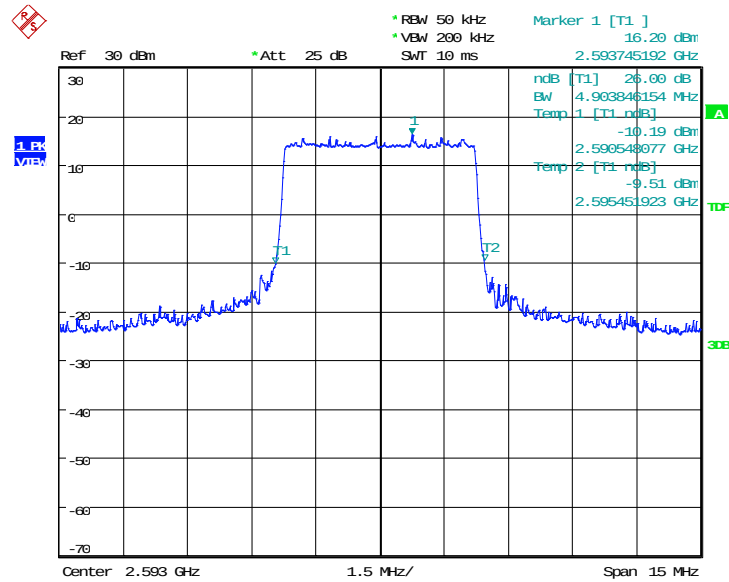
Date: 3.JUN.2019 12:33:12

HPUE

LTE band 41, 5MHz (-26dBc BW)

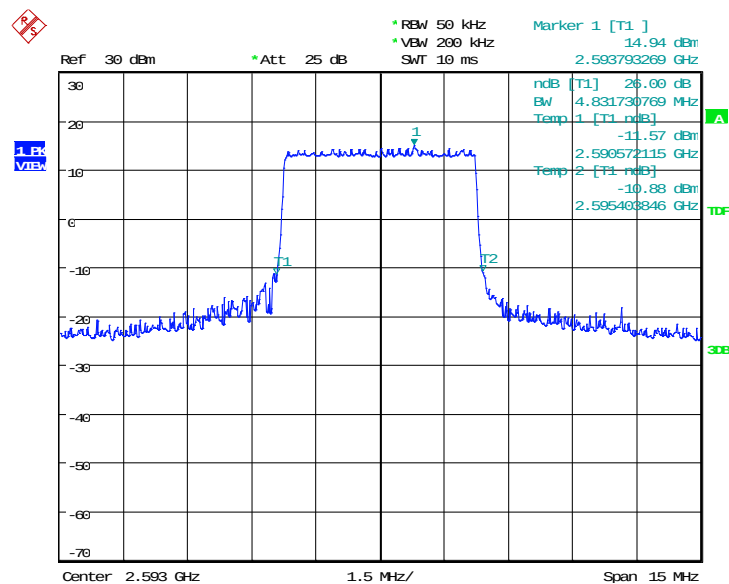
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	4903.85	4831.73	4807.69

LTE band 41, 5MHz Bandwidth, QPSK (-26dBc BW)



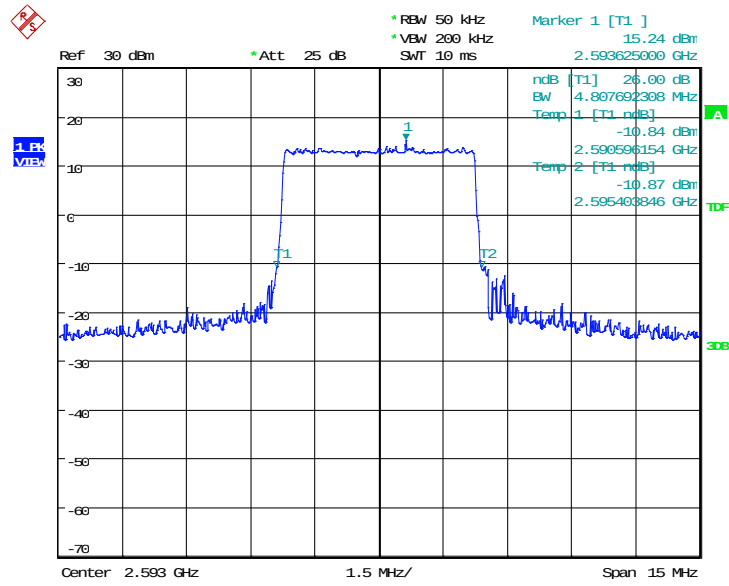
Date: 11. JUN. 2019 19:28:58

LTE band 41, 5MHz Bandwidth,16QAM (-26dBc BW)



Date: 11. JUN. 2019 19:27:36

LTE band 41, 5MHz Bandwidth,64QAM (-26dBc BW)

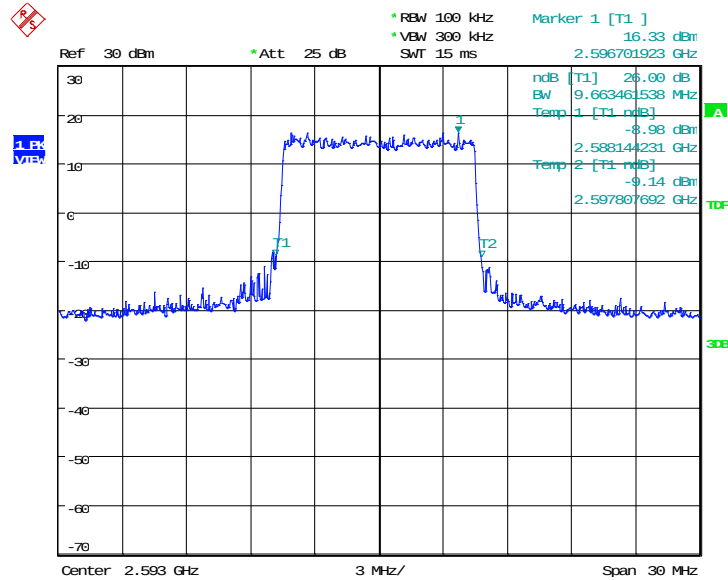


Date: 31.MAY.2019 16:04:05

LTE band 41, 10MHz (-26dBc BW)

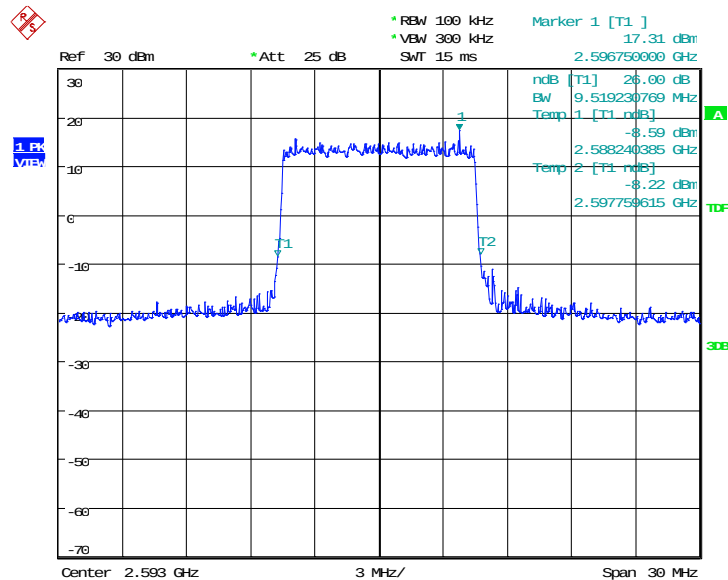
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	9663.46	9519.23	9663.46

LTE band 41, 10MHz Bandwidth, QPSK (-26dBc BW)



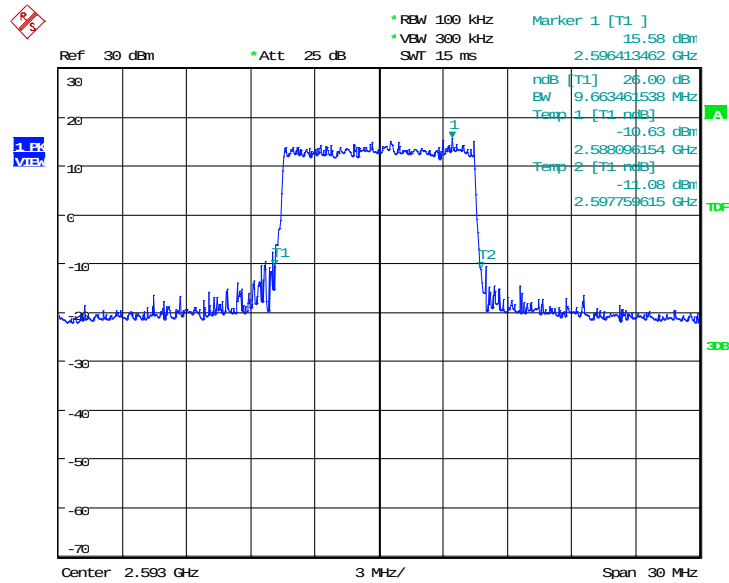
Date: 11. JUN. 2019 19:18:54

LTE band 41, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 11. JUN. 2019 19:18:08

LTE band 41, 10MHz Bandwidth, 64QAM (-26dBc BW)

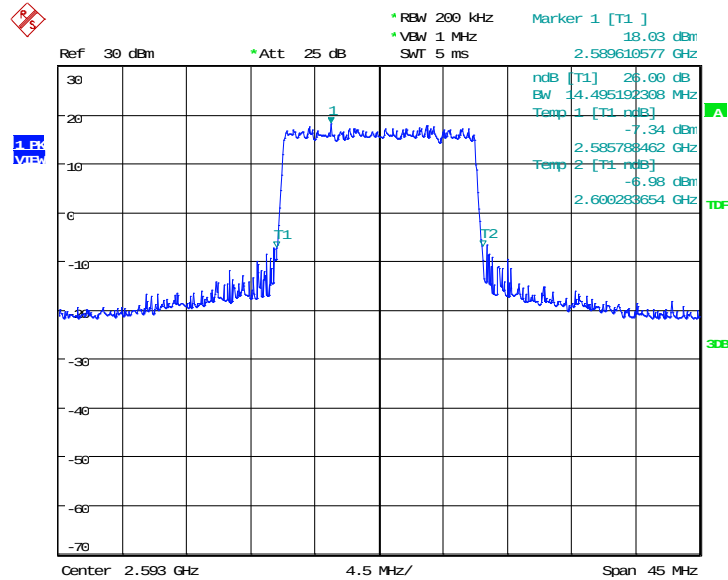


Date: 31.MAY.2019 16:06:37

LTE band 41, 15MHz (-26dBc BW)

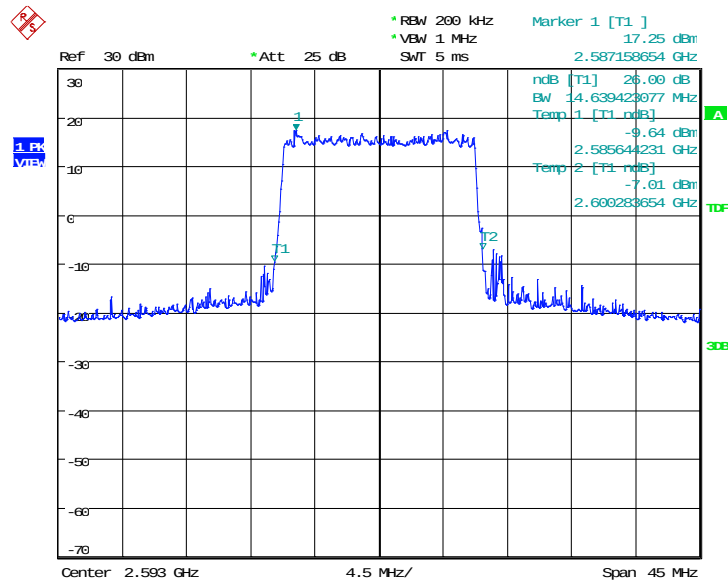
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	14495.19	14639.42	14567.31

LTE band 41, 15MHz Bandwidth, QPSK (-26dBc BW)



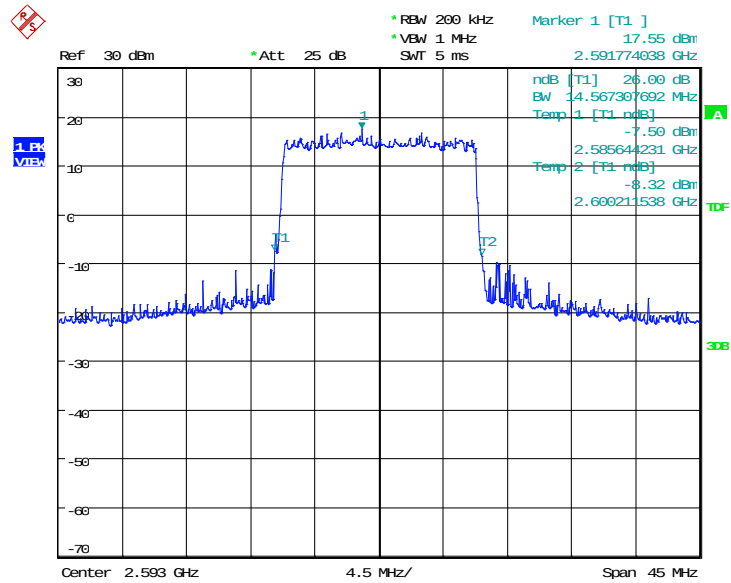
Date: 11. JUN. 2019 19:33:40

LTE band 41, 15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 11. JUN. 2019 19:32:57

LTE band 41, 15MHz Bandwidth, 64QAM (-26dBc BW)

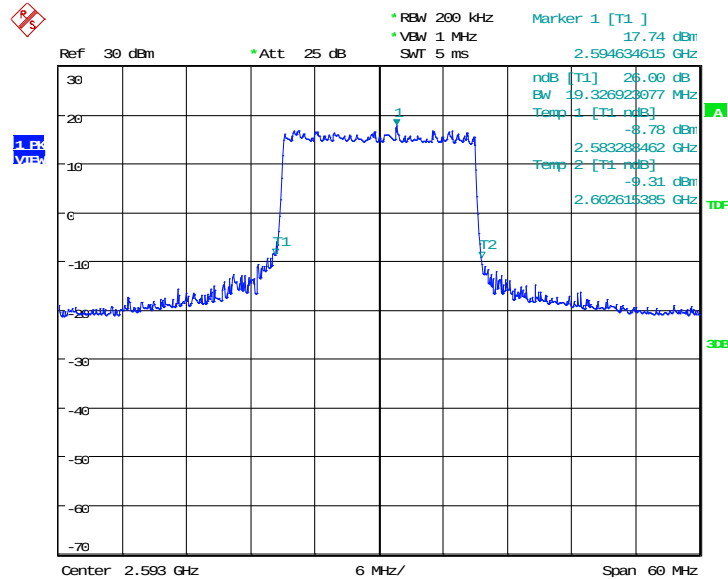


Date: 31.MAY.2019 16:09:11

LTE band 41, 20MHz (-26dBc BW)

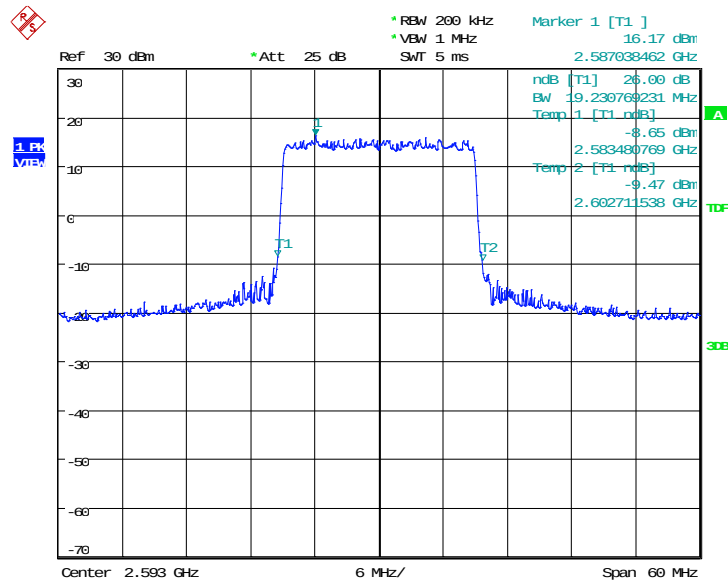
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	19326.92	19230.77	19038.46

LTE band 41, 20MHz Bandwidth, QPSK (-26dBc BW)



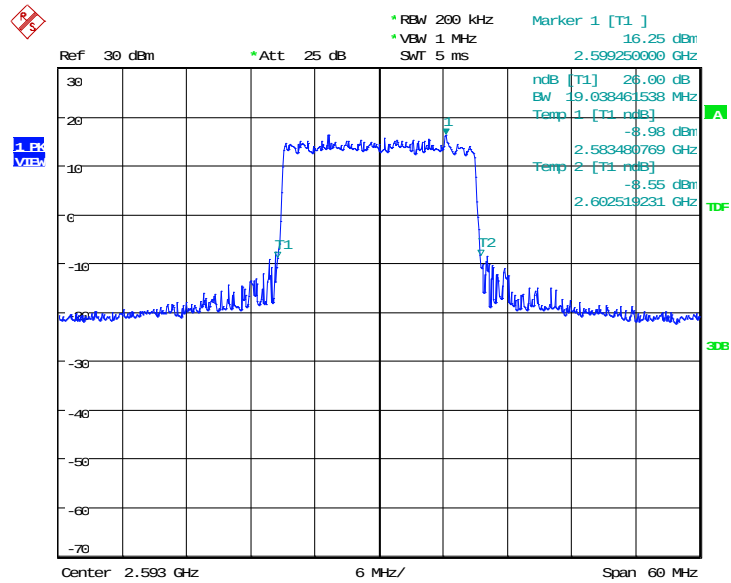
Date: 11. JUN. 2019 19:39:10

LTE band 41, 20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 11. JUN. 2019 19:37:58

LTE band 41, 20MHz Bandwidth, 64QAM (-26dBc BW)

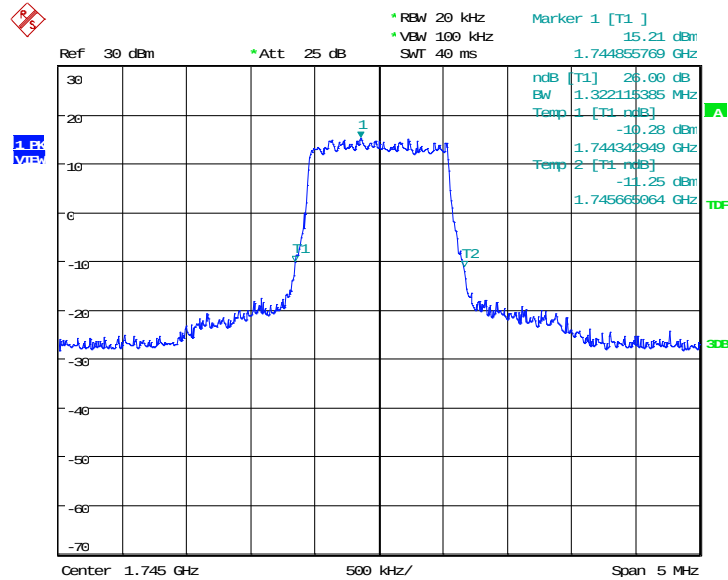


Date: 31.MAY.2019 16:11:44

LTE band 66, 1.4MHz (-26dBc BW)

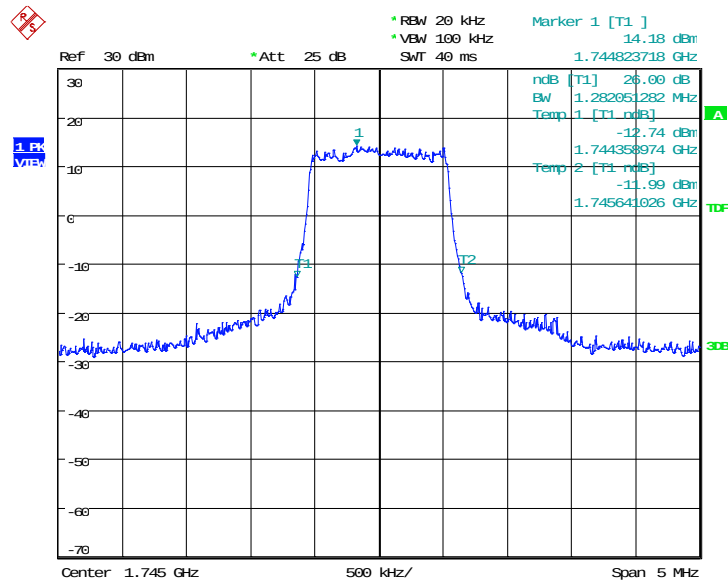
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1745.0	QPSK	16QAM	64QAM
	1322.12	1282.05	1290.06

LTE band 66, 1.4MHz Bandwidth, QPSK (-26dBc BW)



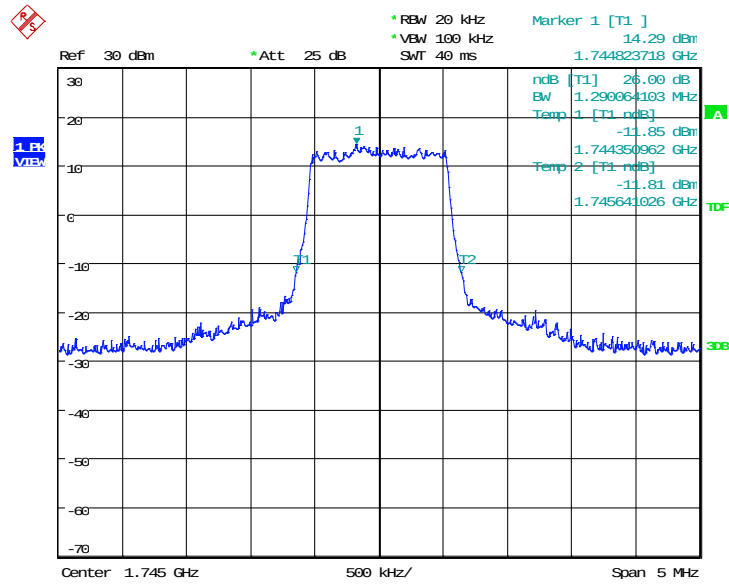
Date: 31.MAY.2019 19:15:30

LTE band 66, 1.4MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 19:15:46

LTE band 66, 1.4MHz Bandwidth, 64QAM (-26dBc BW)

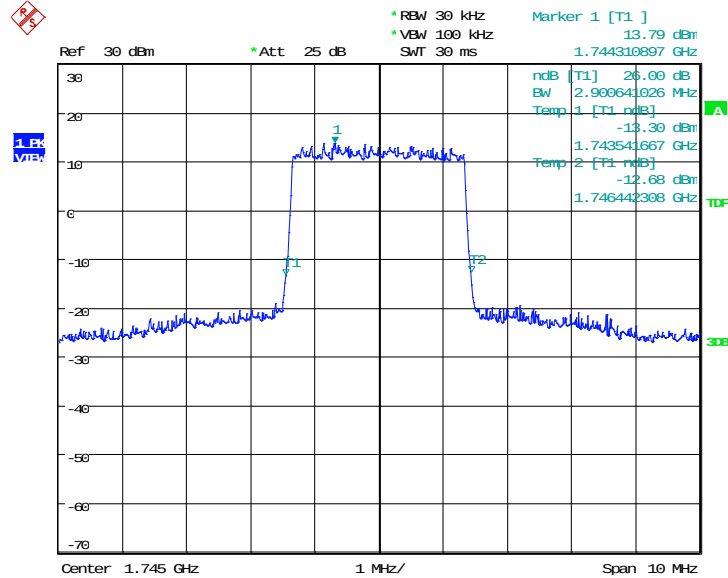


Date: 3.JUN.2019 07:30:12

LTE band 66, 3MHz (-26dBc BW)

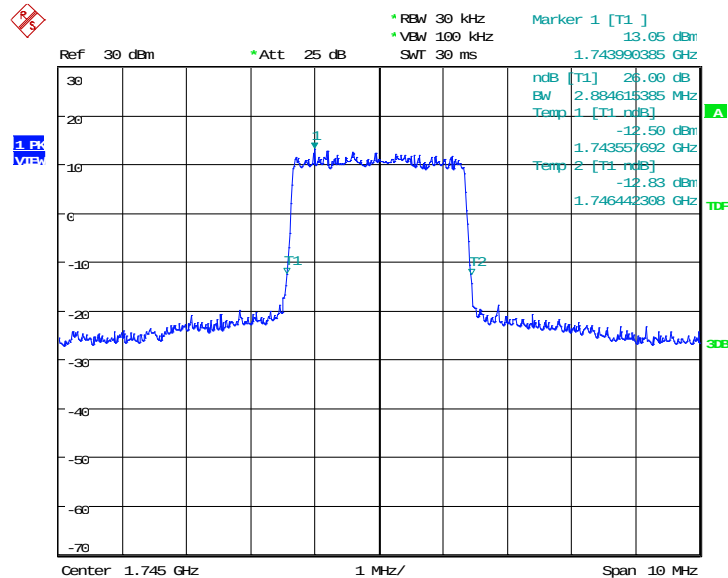
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1745.0	QPSK	16QAM	64QAM
	2900.64	2884.62	2900.64

LTE band 66, 3MHz Bandwidth, QPSK (-26dBc BW)



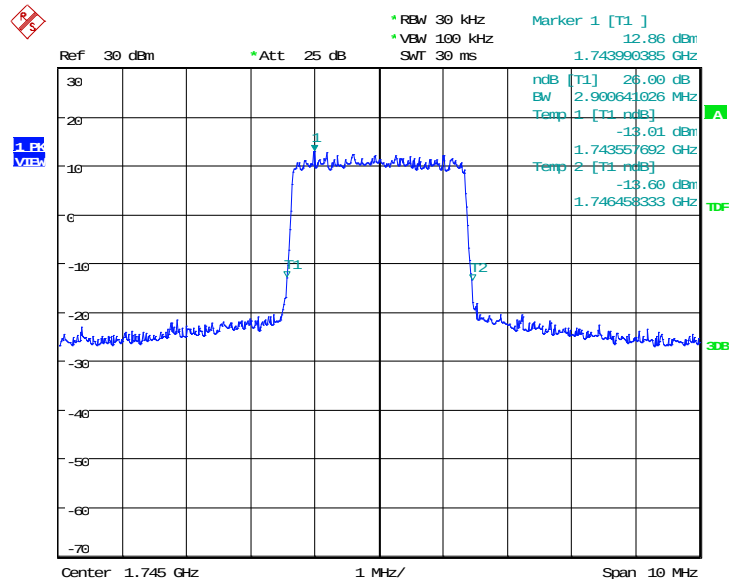
Date: 31.MAY.2019 19:18:38

LTE band 66, 3MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 19:18:54

LTE band 66, 3MHz Bandwidth, 64QAM (-26dBc BW)

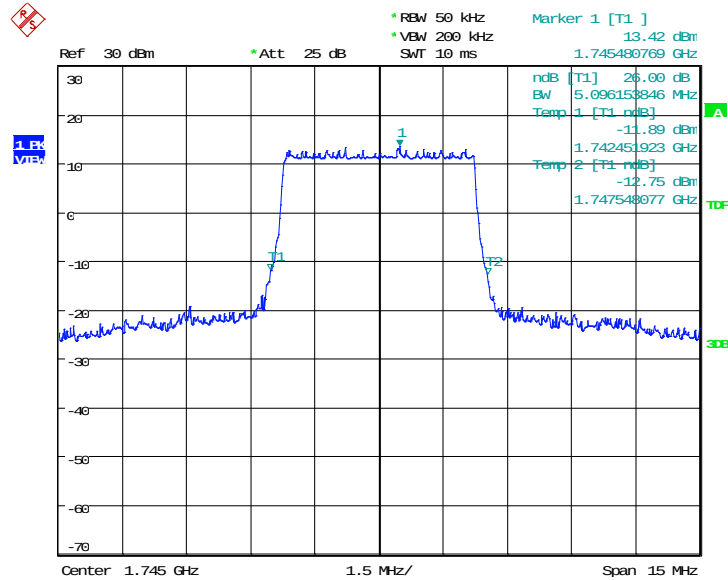


Date: 3.JUN.2019 07:32:45

LTE band 66, 5MHz (-26dBc BW)

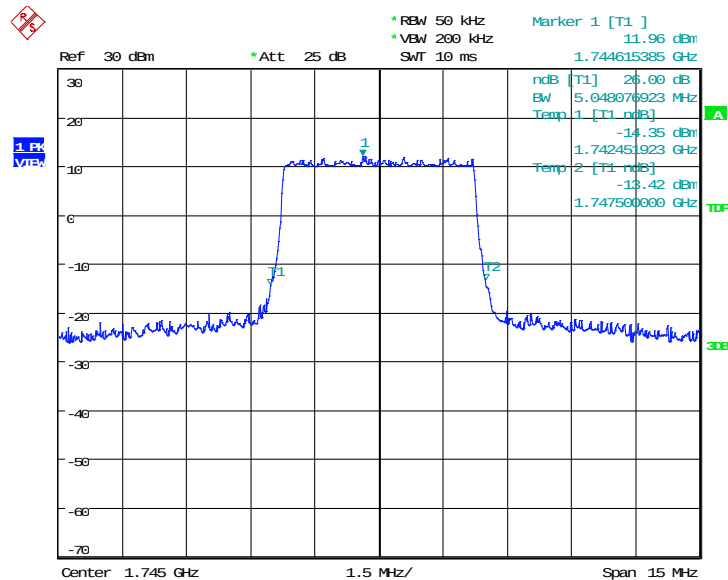
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1745.0	QPSK	16QAM	64QAM
	5096.15	5048.08	5024.04

LTE band 66, 5MHz Bandwidth, QPSK (-26dBc BW)



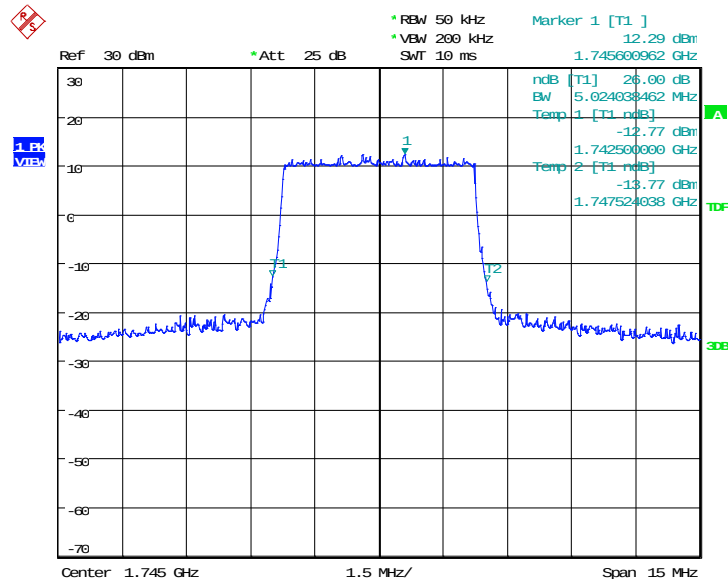
Date: 31.MAY.2019 19:21:46

LTE band 66, 5MHz Bandwidth,16QAM (-26dBc BW)



Date: 31.MAY.2019 19:22:02

LTE band 66, 5MHz Bandwidth,64QAM (-26dBc BW)

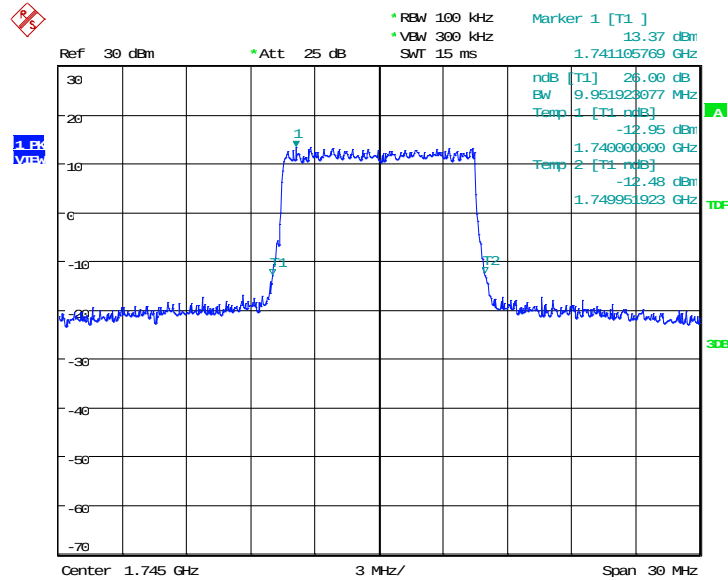


Date: 3.JUN.2019 07:35:18

LTE band 66, 10MHz (-26dBc BW)

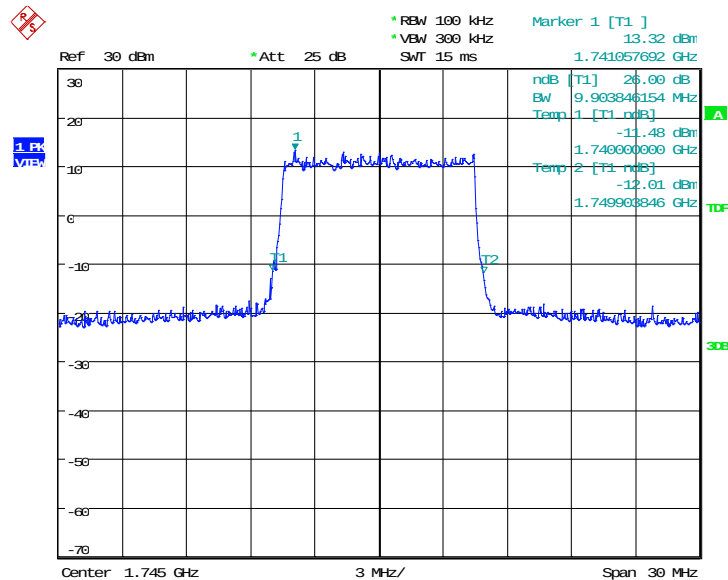
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1745.0	QPSK	16QAM	64QAM
	9951.92	9903.85	10000.00

LTE band 66, 10MHz Bandwidth, QPSK (-26dBc BW)



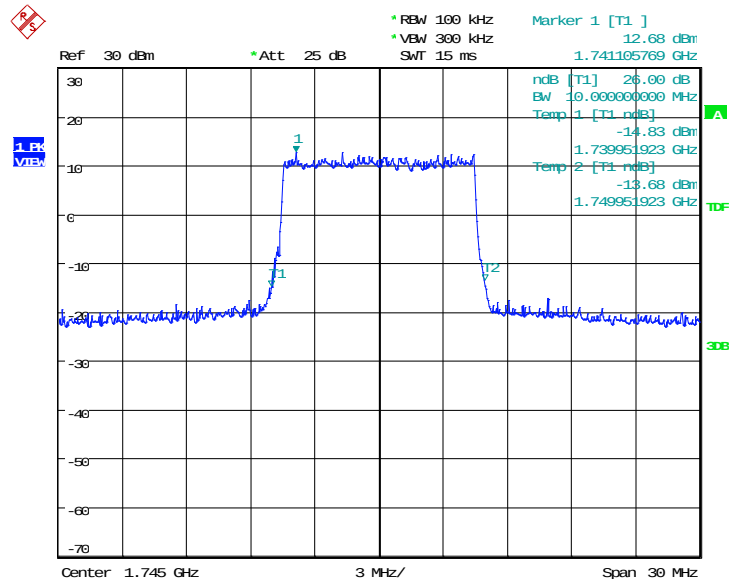
Date: 31.MAY.2019 19:24:55

LTE band 66, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 19:25:10

LTE band 66, 10MHz Bandwidth, 64QAM (-26dBc BW)

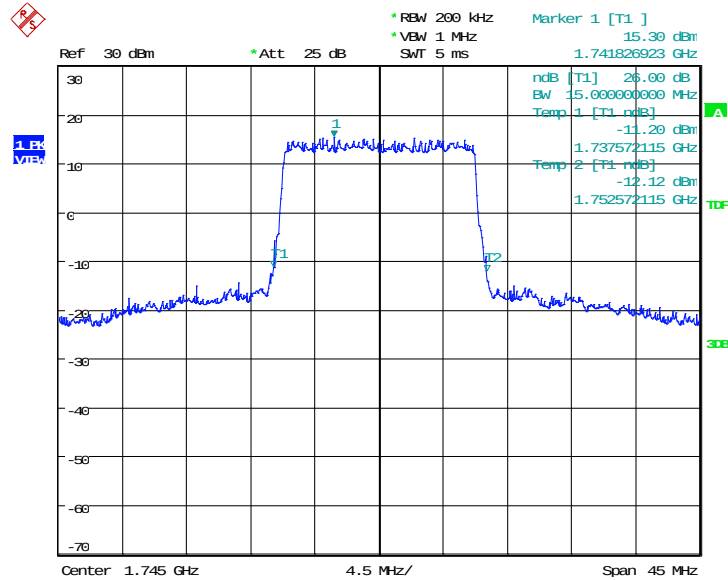


Date: 3.JUN.2019 07:37:50

LTE band 66, 15MHz (-26dBc BW)

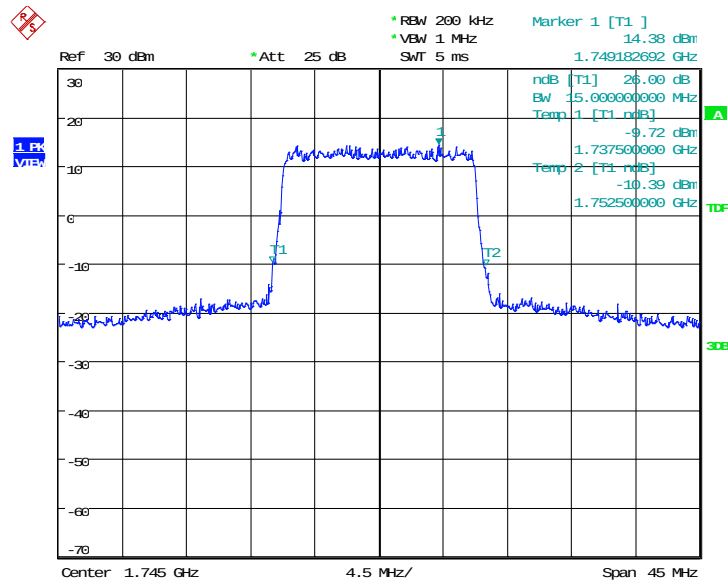
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1745.0	QPSK	16QAM	64QAM
	15000.00	15000.00	15000.00

LTE band 66, 15MHz Bandwidth, QPSK (-26dBc BW)



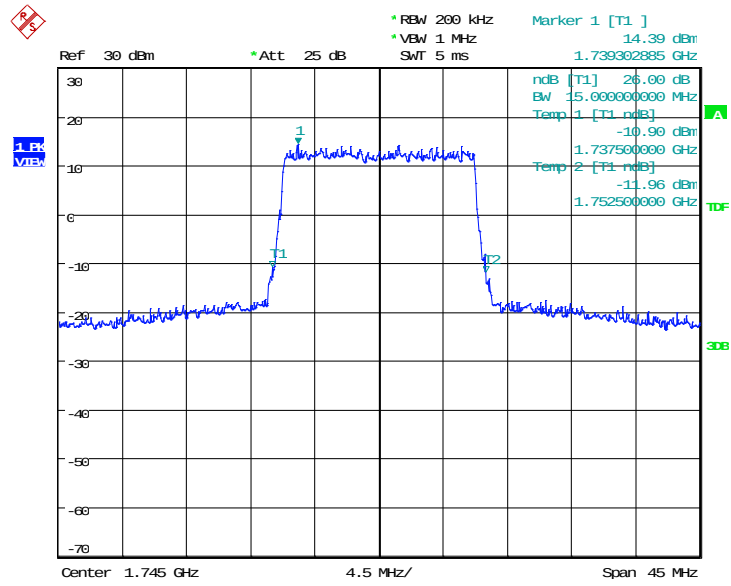
Date: 31.MAY.2019 19:28:03

LTE band 66, 15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 19:28:19

LTE band 66, 15MHz Bandwidth, 64QAM (-26dBc BW)

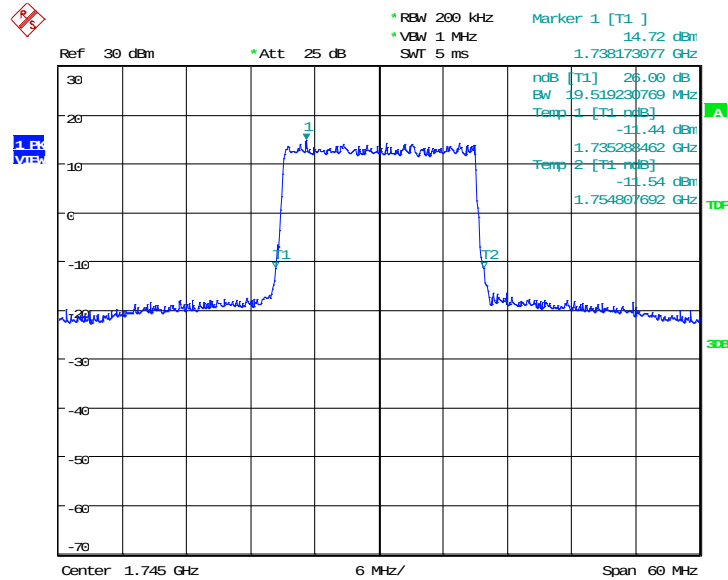


Date: 3.JUN.2019 07:40:23

LTE band 66, 20MHz (-26dBc BW)

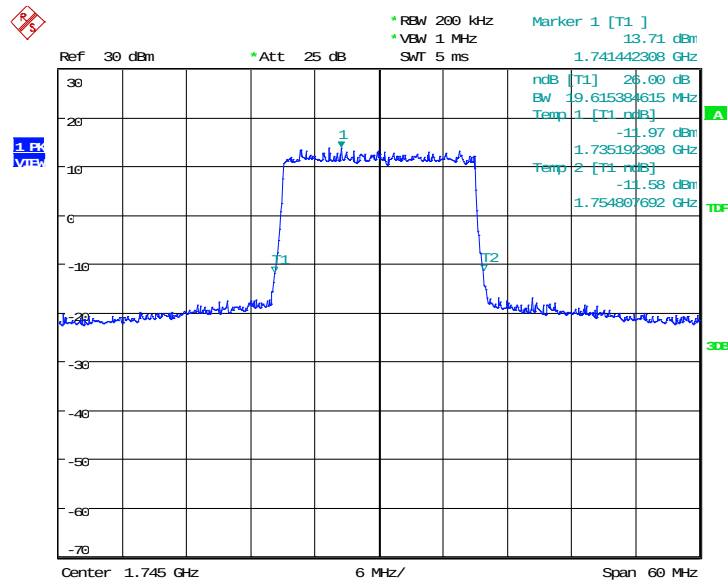
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1745.0	QPSK	16QAM	64QAM
	19519.23	19615.38	19519.23

LTE band 66, 20MHz Bandwidth, QPSK (-26dBc BW)



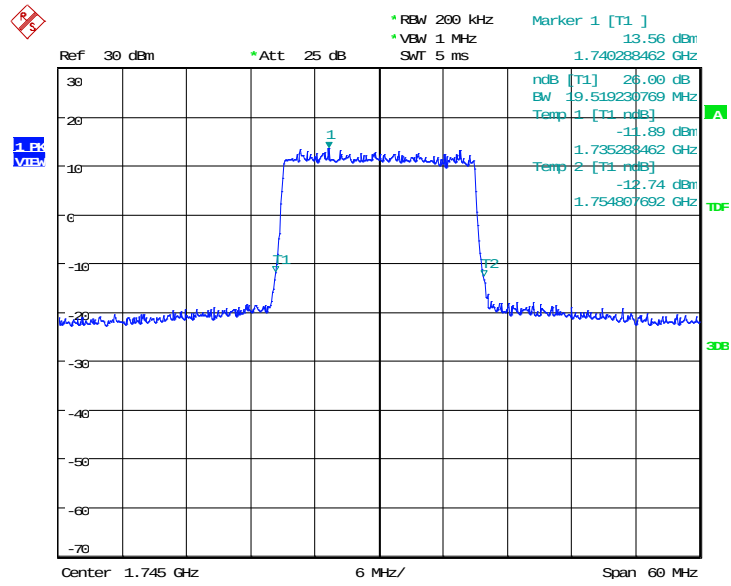
Date: 31.MAY.2019 19:31:12

LTE band 66, 20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 19:31:28

LTE band 66, 20MHz Bandwidth, 64QAM (-26dBc BW)

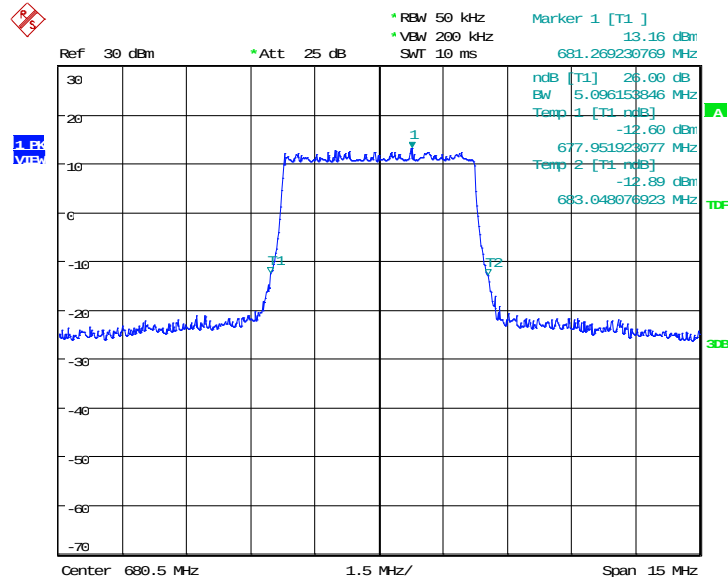


Date: 3.JUN.2019 07:49:56

LTE band 71, 5MHz (-26dBc BW)

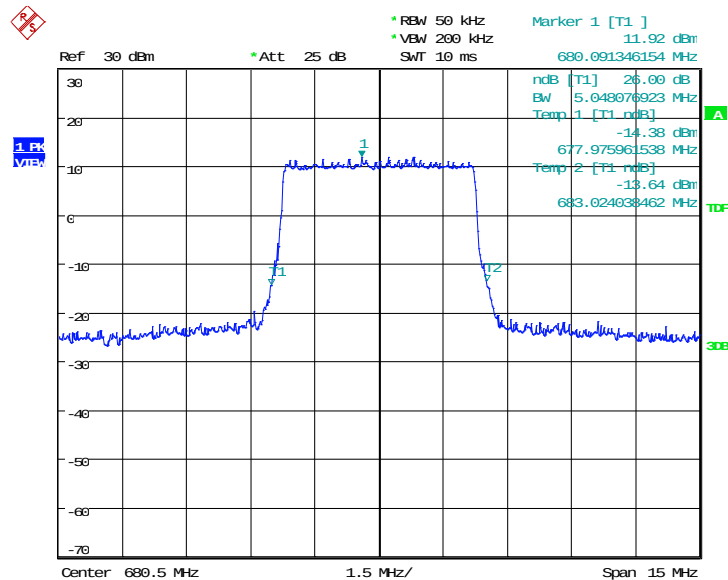
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
680.5	QPSK	16QAM	64QAM
	5096.15	5048.08	5048.08

LTE band 71, 5MHz Bandwidth, QPSK (-26dBc BW)



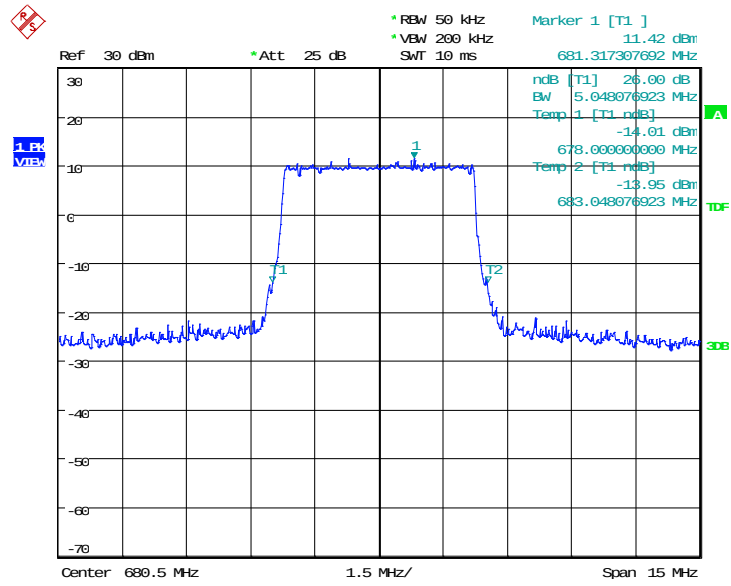
Date: 10. JUN. 2019 13:30:47

LTE band 71, 5MHz Bandwidth, 16QAM (-26dBc BW)



Date: 10. JUN. 2019 13:30:06

LTE band 71, 5MHz Bandwidth,64QAM (-26dBc BW)

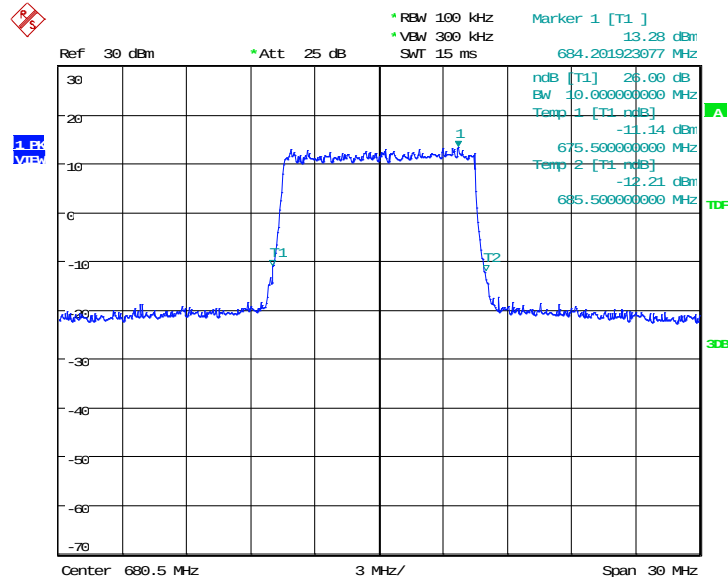


Date: 10.JUN.2019 13:29:37

LTE band 71, 10MHz (-26dBc BW)

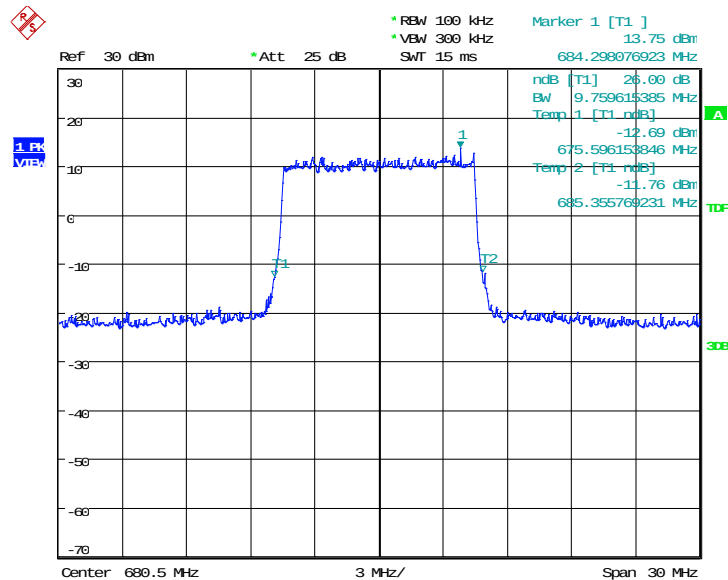
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
680.5	QPSK	16QAM	64QAM
	10000.00	9759.62	9855.77

LTE band 71, 10MHz Bandwidth, QPSK (-26dBc BW)



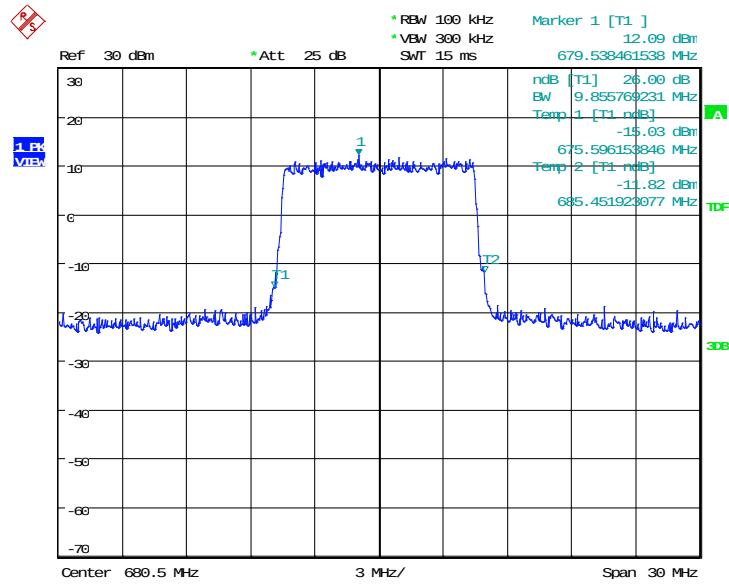
Date: 10.JUN.2019 13:40:09

LTE band 71, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 10.JUN.2019 13:40:43

LTE band 71, 10MHz Bandwidth, 64QAM (-26dBc BW)

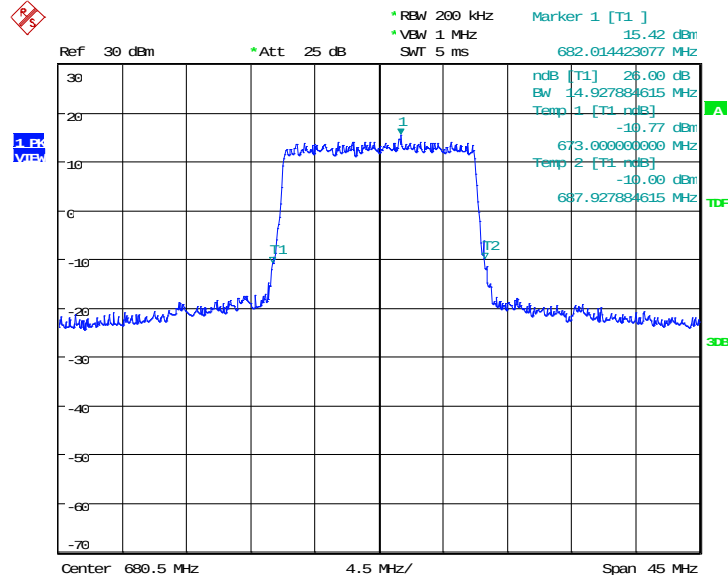


Date: 10.JUN.2019 13:41:05

LTE band 71, 15MHz (-26dBc BW)

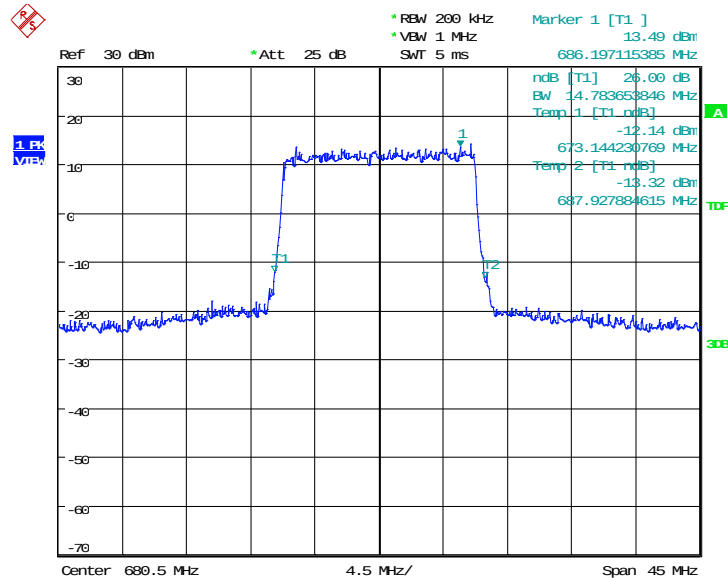
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
680.5	QPSK	16QAM	64QAM
	14927.88	14783.65	14495.19

LTE band 71, 15MHz Bandwidth, QPSK (-26dBc BW)



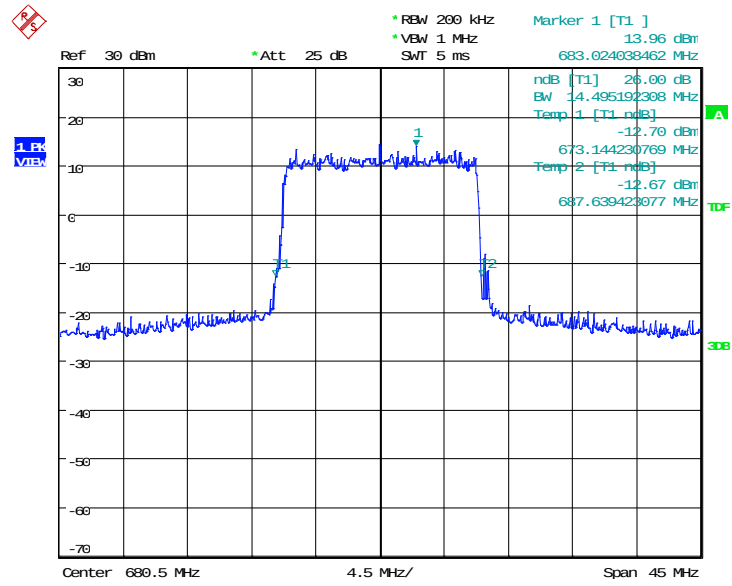
Date: 10.JUN.2019 13:46:23

LTE band 71, 15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 10.JUN.2019 13:45:47

LTE band 71, 15MHz Bandwidth, 64QAM (-26dBc BW)

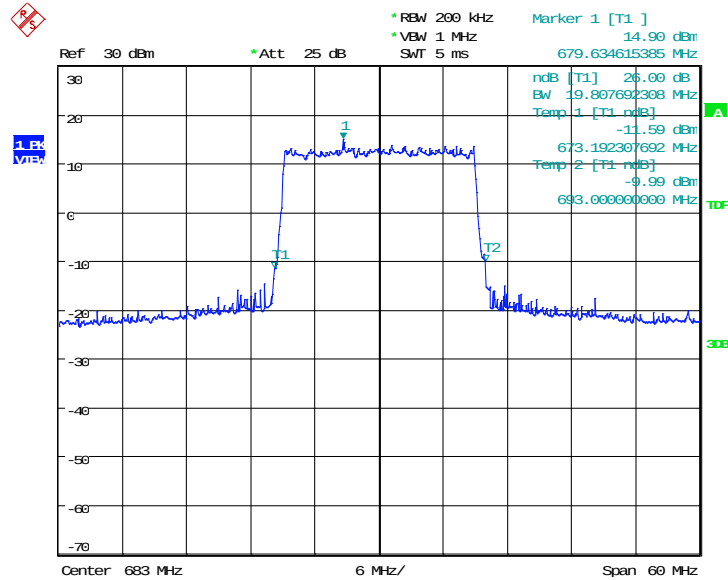


Date: 10.JUN.2019 13:45:28

LTE band 71, 20MHz (-26dBc BW)

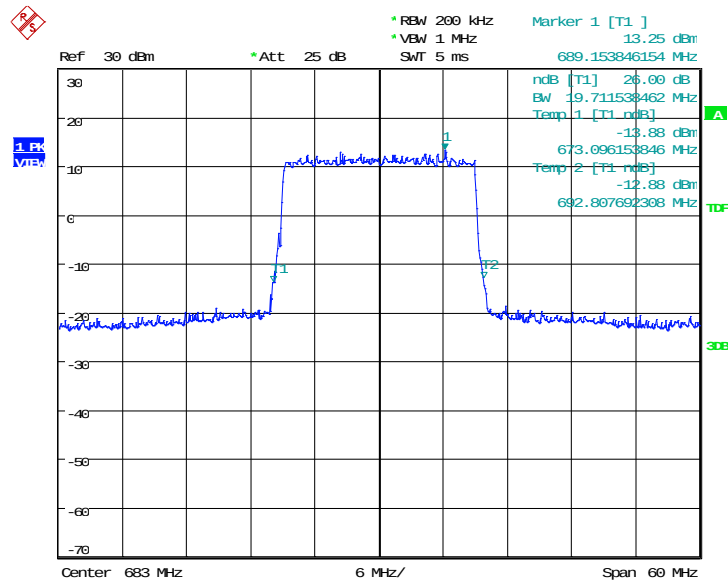
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
683.0	QPSK	16QAM	64QAM
	19807.69	19711.54	19519.23

LTE band 71, 20MHz Bandwidth, QPSK (-26dBc BW)



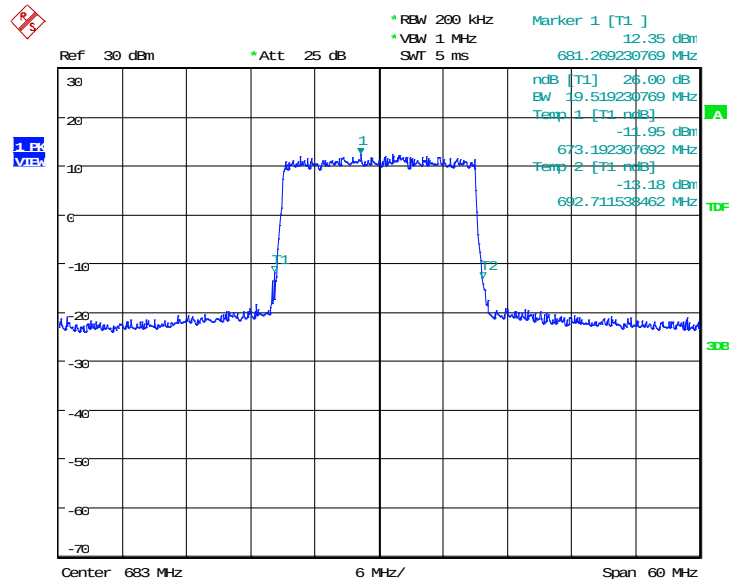
Date: 10. JUN. 2019 13:48:17

LTE band 71, 20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 10. JUN. 2019 13:48:47

LTE band 71, 20MHz Bandwidth, 64QAM (-26dBc BW)

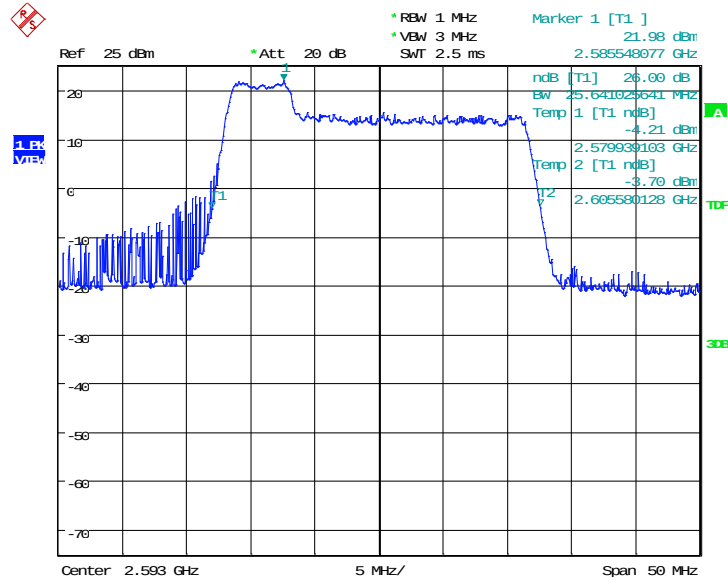


Date: 10.JUN.2019 13:49:05

LTE Band CA_41C, 5MHz+20MHz (-26dBc BW)

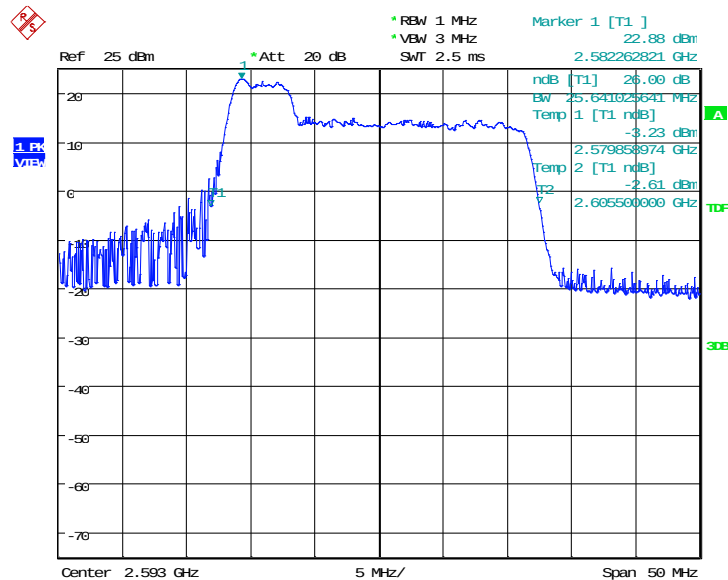
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	25641.03	25641.03	25400.64

LTE Band CA_41C, 5MHz+20MHz Bandwidth, QPSK (-26dBc BW)



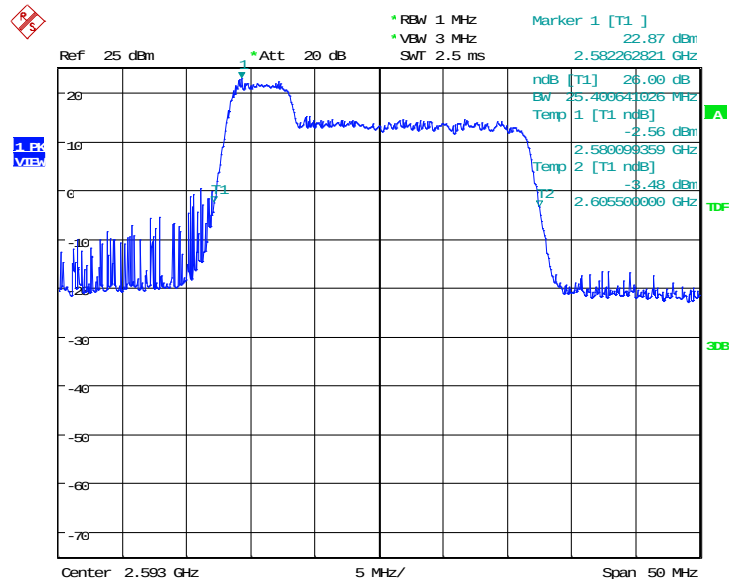
Date: 11. JUN. 2019 06:26:08

LTE Band CA_41C, 5MHz+20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 11. JUN. 2019 06:23:36

LTE Band CA_41C, 5MHz+20MHz Bandwidth, 64QAM (-26dBc BW)

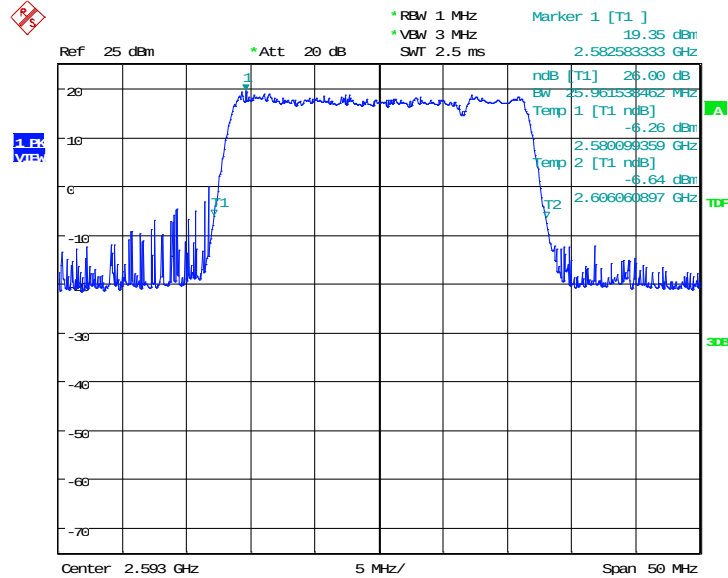


Date: 11.JUN.2019 06:22:55

LTE Band CA_41C, 20MHz+5MHz (-26dBc BW)

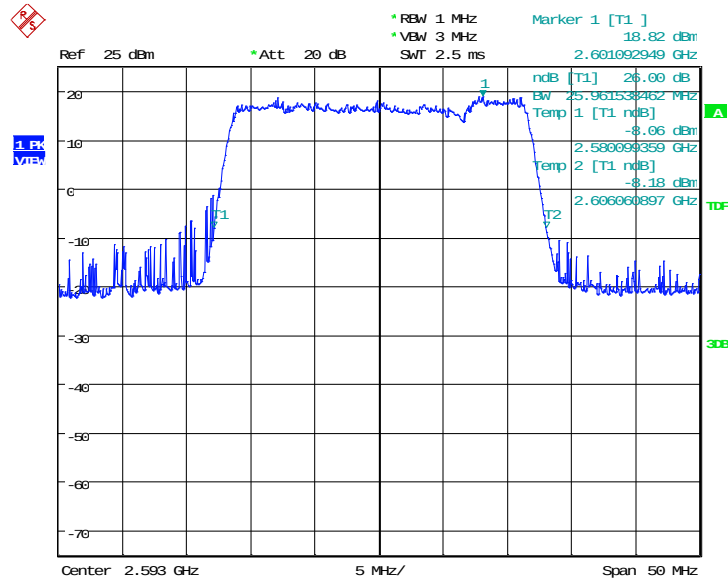
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	25961.54	25961.54	25881.41

LTE Band CA_41C, 20MHz+5MHz Bandwidth, QPSK (-26dBc BW)



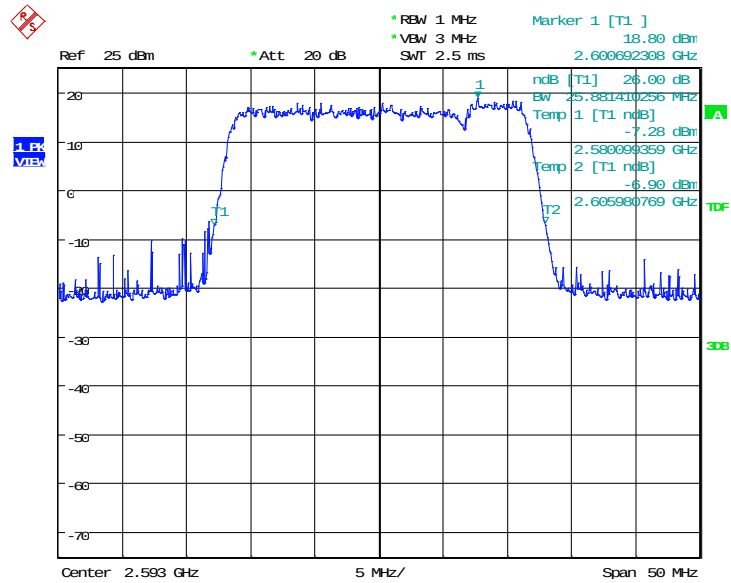
Date: 11. JUN. 2019 06:31:46

LTE Band CA_41C, 20MHz+5MHz Bandwidth, 16QAM (-26dBc BW)



Date: 11. JUN. 2019 06:32:22

LTE Band CA_41C, 20MHz+5MHz Bandwidth, 64QAM (-26dBc BW)



Date: 11.JUN.2019 06:32:41

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	26041.67	26041.67	25961.54

1 dB VREF

Ref 25 dBm *Att 20 dB

*RBW 1 MHz
*VBW 3 MHz
SWT 2.5 ms

Marker 1 [T1]
22.39 dBm
2.589794872 GHz

ndB [T1] 26.00 dB
BW 26.041568657 MHz
Temp 1 [T1 ndB] -3.46 dBm
2.579858974 GHz
Temp 2 [T1 ndB] -4.18 dBm
2.605900641 GHz

Center 2.593 GHz 5 MHz/ Span 50 MHz

* RBW 1 MHz
 * VBW 3 MHz
 SWT 2.5 ms

Ref 25 dBm
 * Att 20 dB

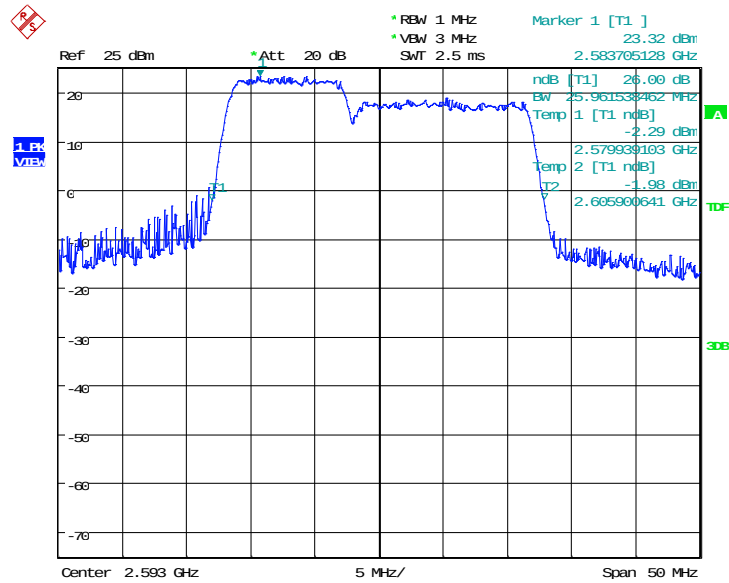
Marker 1 [T1] 23.36 dBm
 2.583544872 GHz

ndB	[T1]	26.00 dB
BW	26.04166667 MHz	
Temp 1	[T1] ndB	-1.81 dBm
Temp 2	[T1] ndB	-3.43 dBm
[T2]	2.605980769 GHz	

Center 2.593 GHz
 5 MHz/
 Span 50 MHz

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LTE Band CA_41C, 10MHz+15MHz Bandwidth, 64QAM (-26dBc BW)

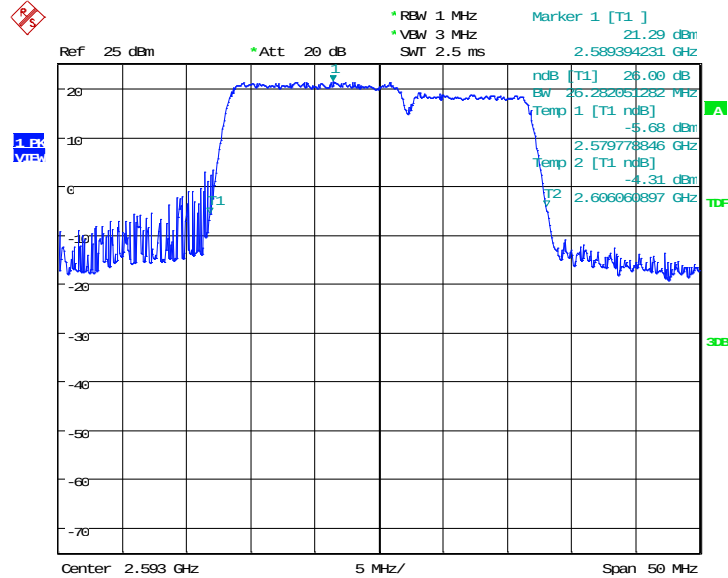


Date: 11.JUN.2019 06:38:21

LTE Band CA_41C, 15MHz+10MHz (-26dBc BW)

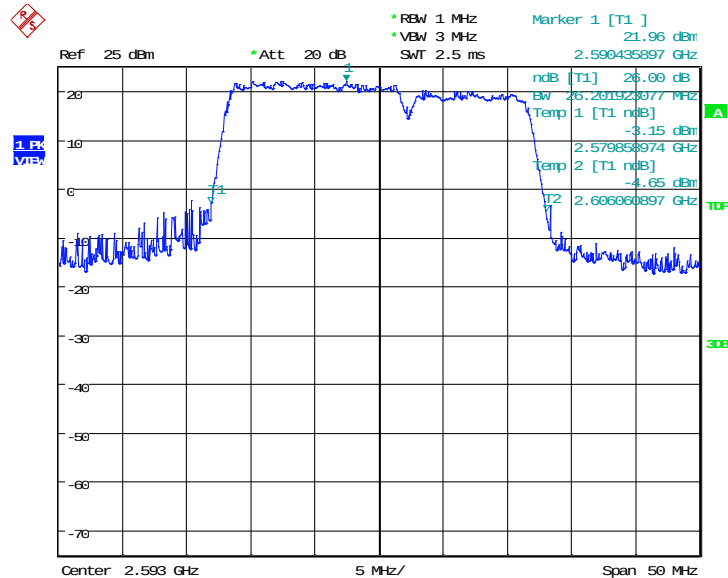
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	26282.05	26201.92	26201.92

LTE Band CA_41C, 15MHz+10MHz Bandwidth, QPSK (-26dBc BW)



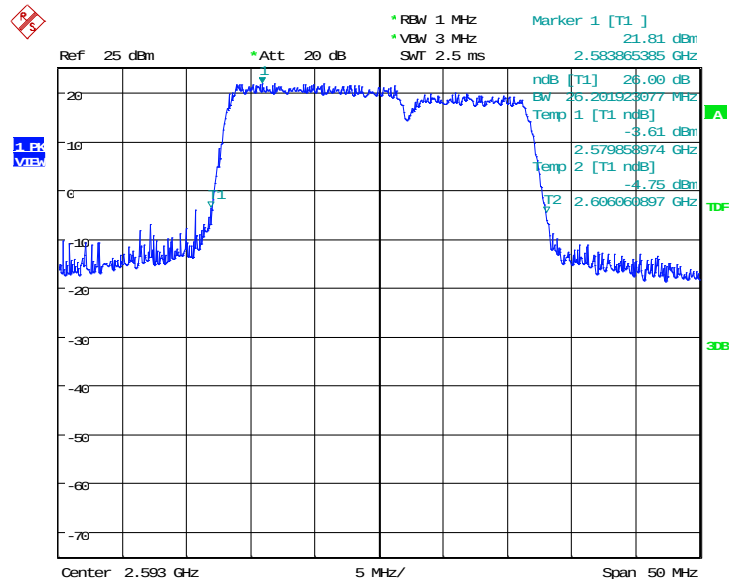
Date: 11. JUN. 2019 06:41:20

LTE Band CA_41C, 15MHz+10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 11. JUN. 2019 06:41:59

LTE Band CA_41C, 15MHz+10MHz Bandwidth, 64QAM (-26dBc BW)

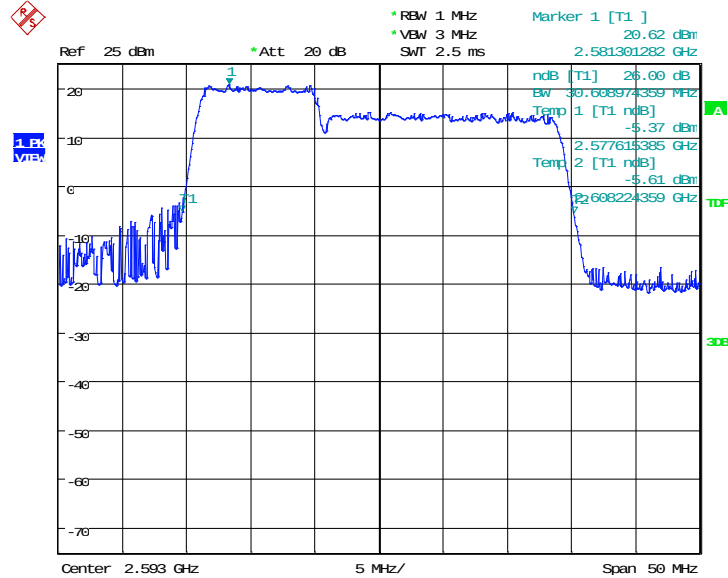


Date: 11.JUN.2019 06:42:15

LTE Band CA_41C, 10MHz+20MHz (-26dBc BW)

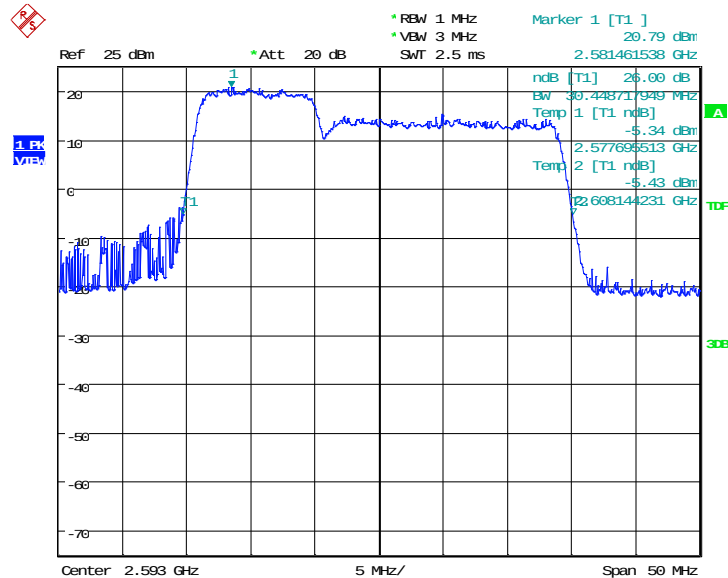
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	30608.97	30448.72	30448.72

LTE Band CA_41C, 10MHz+20MHz Bandwidth, QPSK (-26dBc BW)



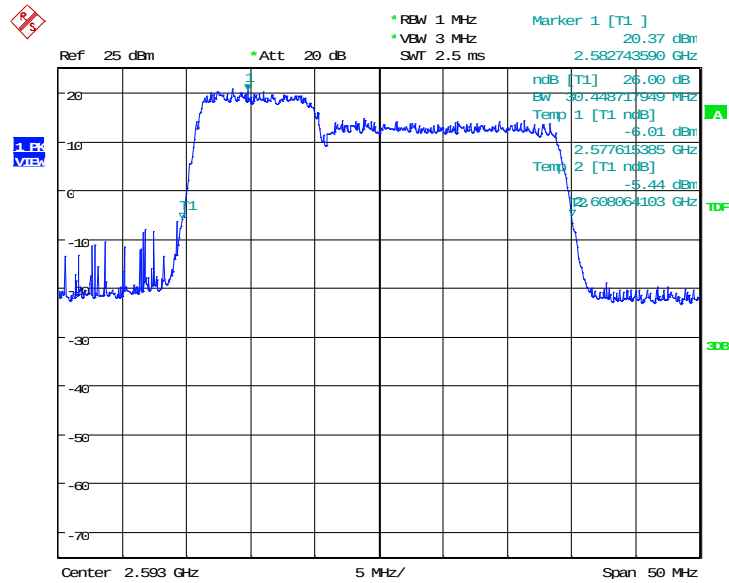
Date: 11. JUN. 2019 06:48:46

LTE Band CA_41C, 10MHz+20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 11. JUN. 2019 06:47:54

LTE Band CA_41C, 10MHz+20MHz Bandwidth, 64QAM (-26dBc BW)

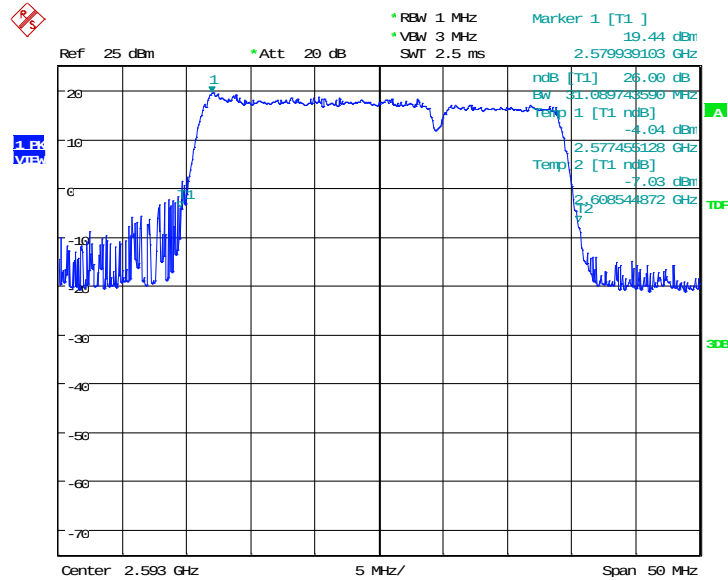


Date: 11.JUN.2019 06:47:28

LTE Band CA_41C, 20MHz+10MHz (-26dBc BW)

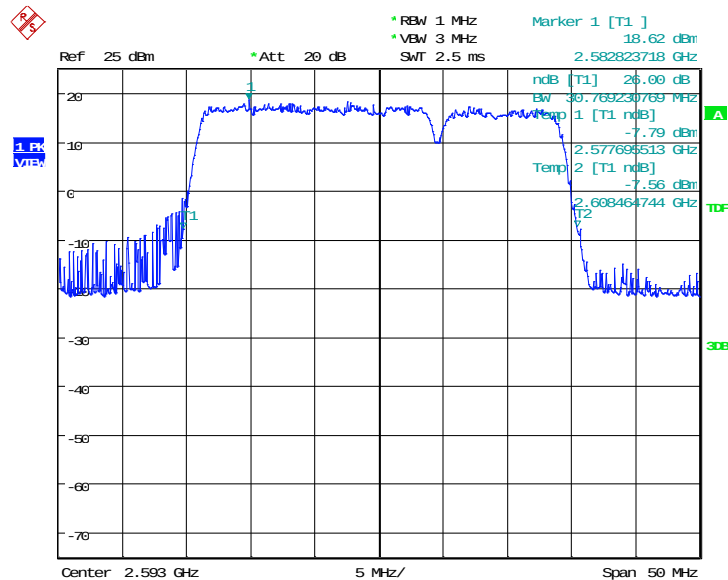
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	31089.74	30769.23	30769.23

LTE Band CA_41C, 20MHz+10MHz Bandwidth, QPSK (-26dBc BW)



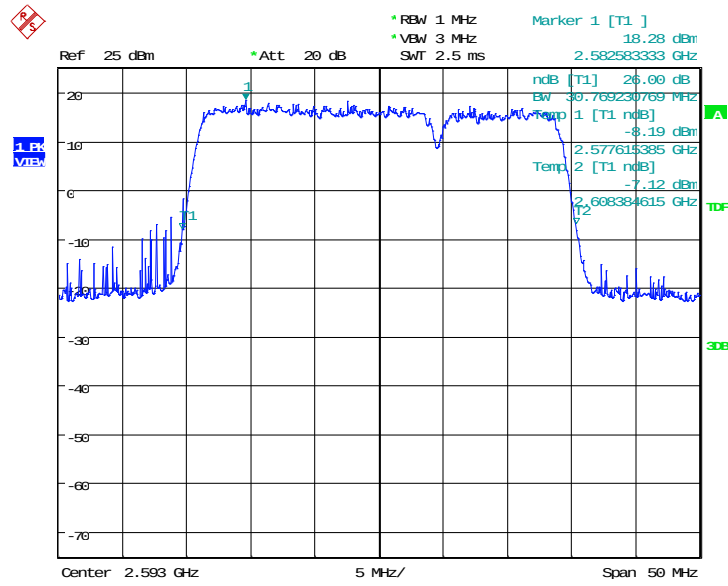
Date: 11. JUN. 2019 06:52:06

LTE Band CA_41C, 20MHz+10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 11. JUN. 2019 06:52:44

LTE Band CA_41C, 20MHz+10MHz Bandwidth, 64QAM (-26dBc BW)

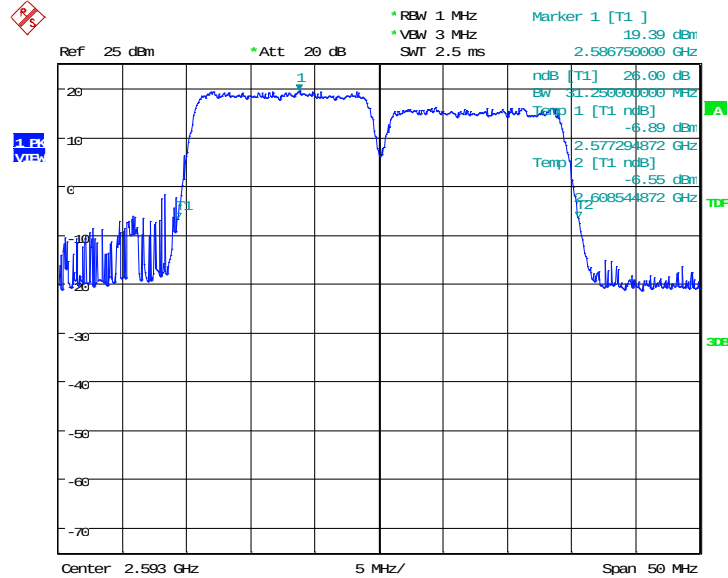


Date: 11.JUN.2019 06:52:58

LTE Band CA_41C, 15MHz+15MHz (-26dBc BW)

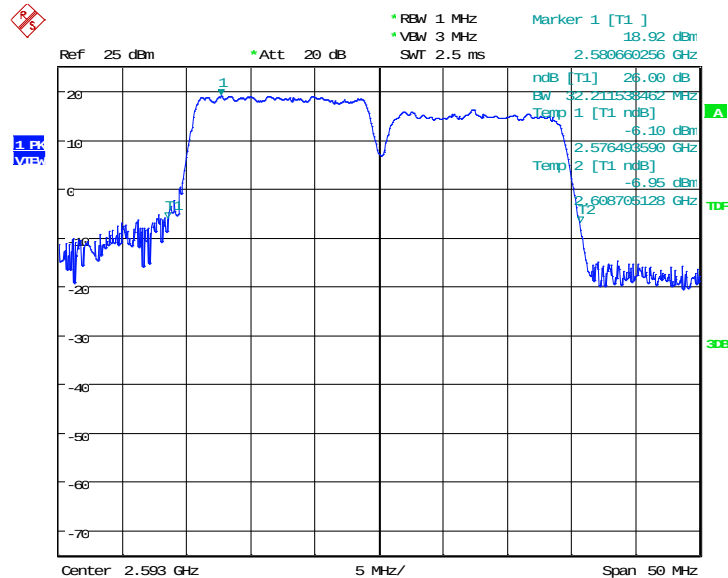
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	31250.00	32211.54	31250.00

LTE Band CA_41C, 15MHz+15MHz Bandwidth, QPSK (-26dBc BW)



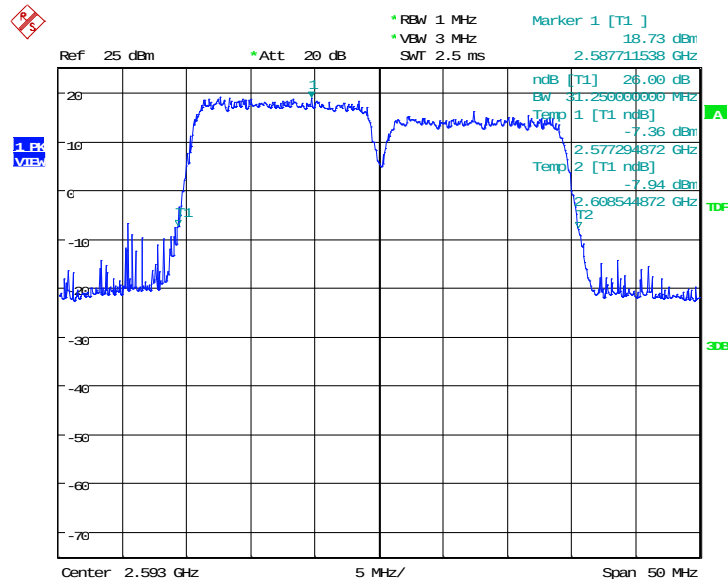
Date: 11. JUN. 2019 07:02:21

LTE Band CA_41C, 15MHz+15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 11. JUN. 2019 07:01:43

LTE Band CA_41C, 15MHz+15MHz Bandwidth, 64QAM (-26dBc BW)

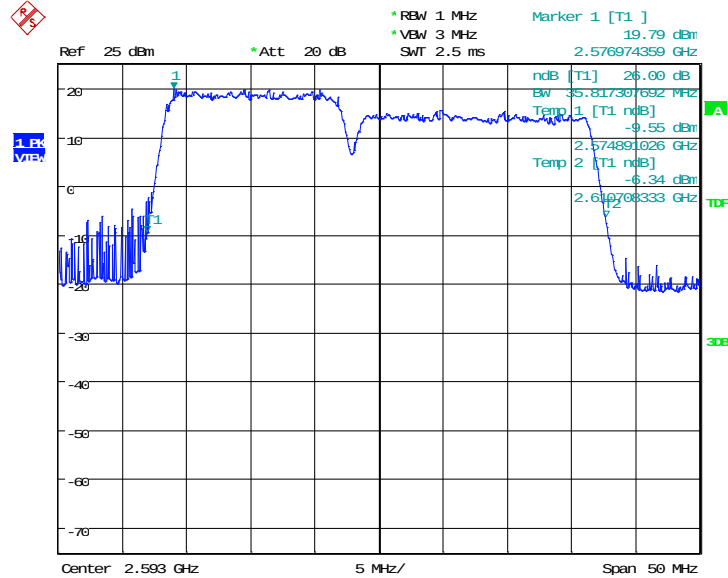


Date: 11.JUN.2019 07:00:03

LTE Band CA_41C, 15MHz+20MHz (-26dBc BW)

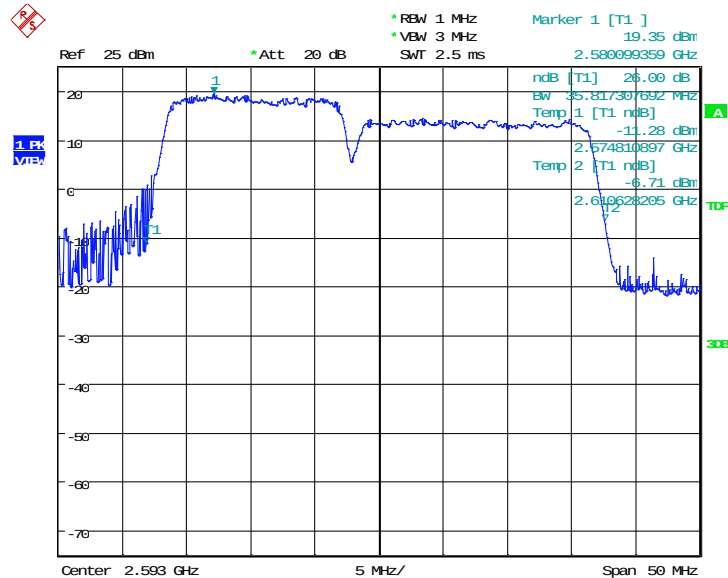
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	35817.31	35817.31	35496.79

LTE Band CA_41C, 15MHz+20MHz Bandwidth, QPSK (-26dBc BW)



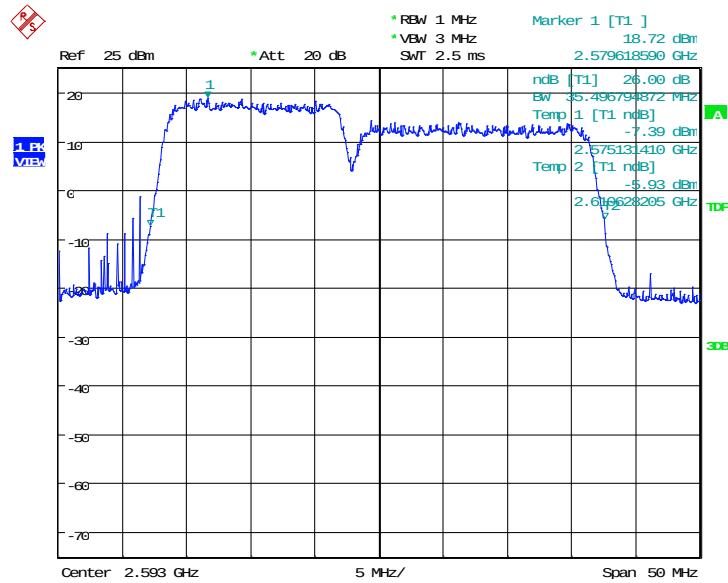
Date: 11. JUN. 2019 07:04:35

LTE Band CA_41C, 15MHz+20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 11. JUN. 2019 07:05:26

LTE Band CA_41C, 15MHz+20MHz Bandwidth, 64QAM (-26dBc BW)

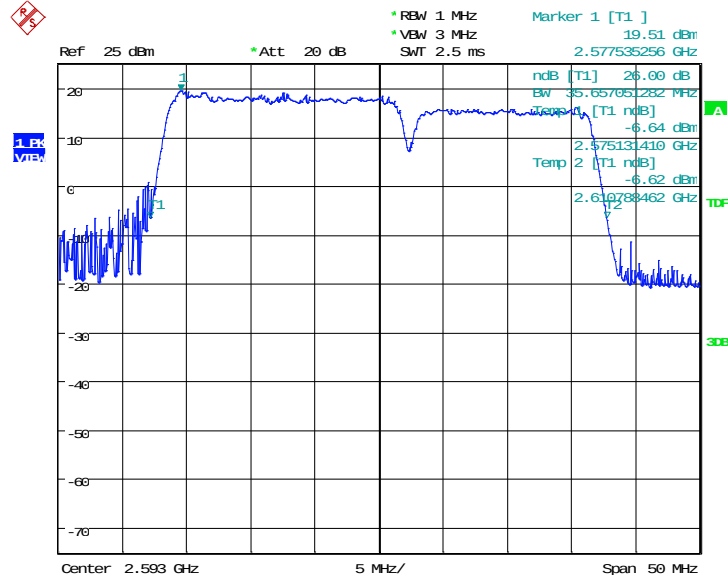


Date: 11.JUN.2019 07:05:43

LTE Band CA_41C, 20MHz+15MHz (-26dBc BW)

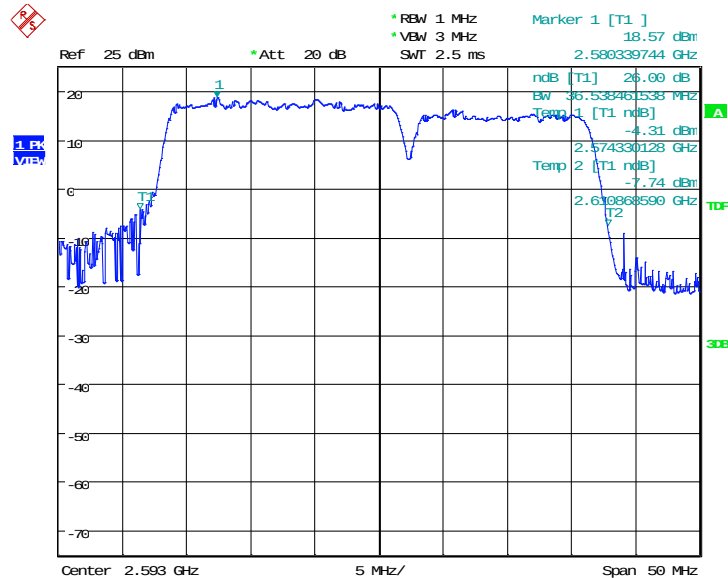
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	35657.05	36538.46	35657.05

LTE Band CA_41C, 20MHz+15MHz Bandwidth, QPSK (-26dBc BW)



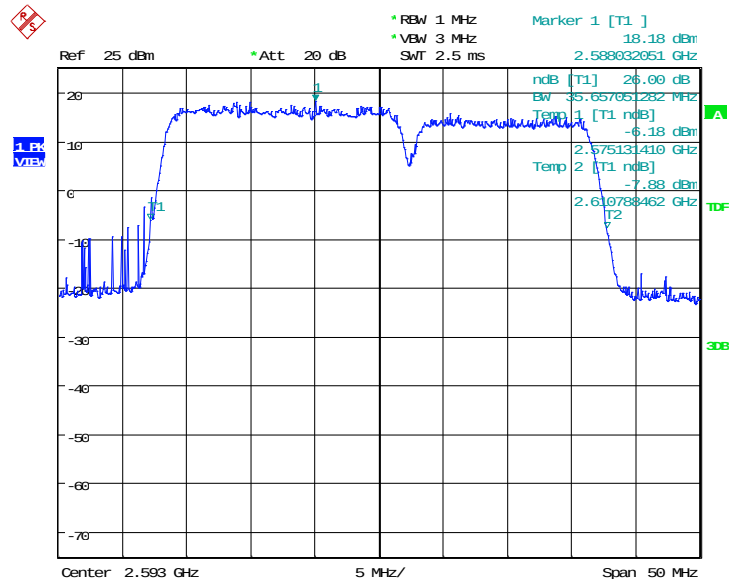
Date: 11. JUN. 2019 07:12:03

LTE Band CA_41C, 20MHz+15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 11. JUN. 2019 07:11:08

LTE Band CA_41C, 20MHz+15MHz Bandwidth, 64QAM (-26dBc BW)

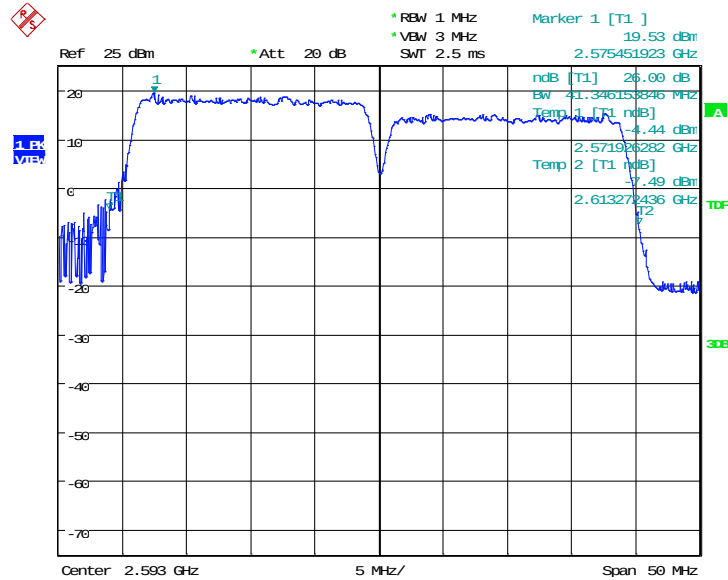


Date: 11.JUN.2019 07:10:20

LTE Band CA_41C, 20MHz+20MHz (-26dBc BW)

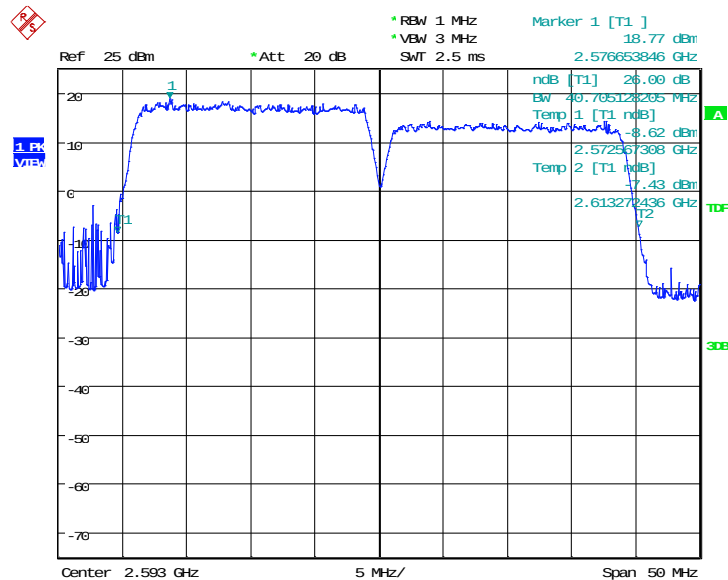
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	41346.15	40705.13	40544.87

LTE Band CA_41C, 20MHz+20MHz Bandwidth, QPSK (-26dBc BW)



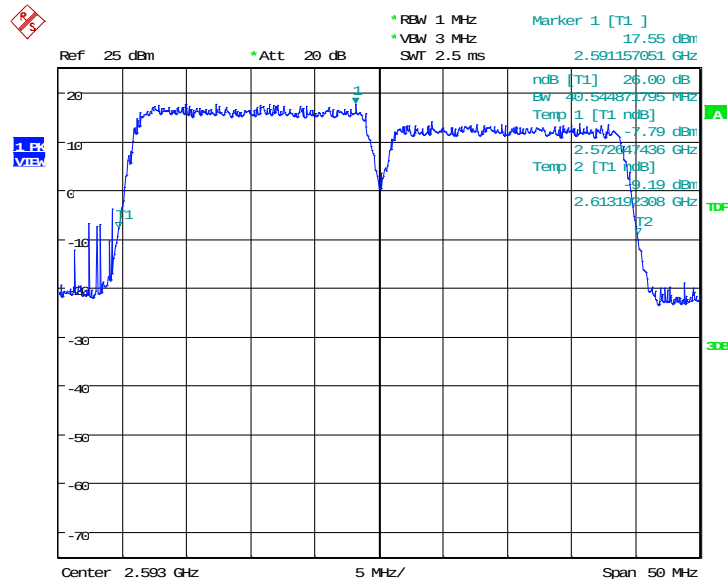
Date: 11. JUN. 2019 07:13:43

LTE Band CA_41C, 20MHz+20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 11. JUN. 2019 07:14:14

LTE Band CA_41C, 20MHz+20MHz Bandwidth, 64QAM (-26dBc BW)



Date: 11.JUN.2019 07:14:30

Note: Expanded measurement uncertainty is $U = 3428 \text{ Hz}$, $k = 2$

A.6 BAND EDGE COMPLIANCE

Reference

FCC: CFR Part 2.1051, 22.917, 24.238, 27.53.

A.6.1 Measurement limit

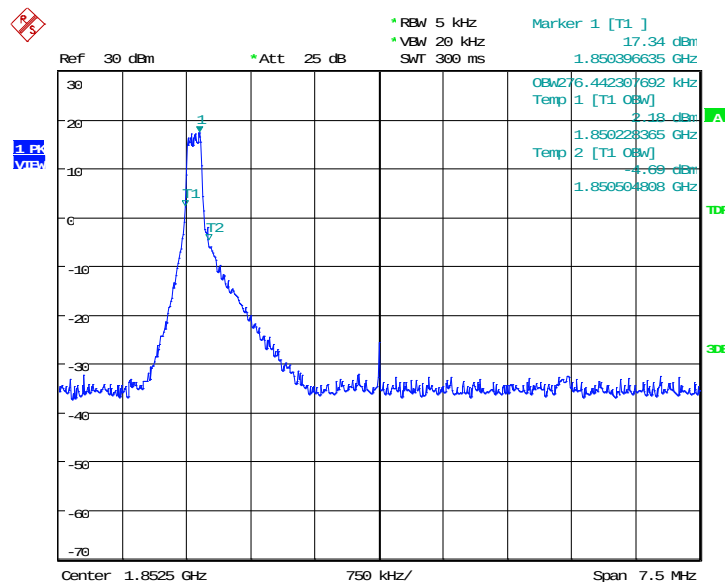
On any frequency outside frequency band of the US Cellular/PCS spectrum, the power of any emission shall be attenuated below the transmitter power (P, in Watts) by at least $43 + 10 \log(P)$ dB. For all power levels +30 dBm to 0 dBm, this becomes a constant specification limit of -13 dBm. A relaxation of the reference bandwidth is often provided for measurements within a specified frequency range at the edge of the authorized frequency block/band. This is often implemented by permitting the use of a narrower RBW (typically limited to a minimum RBW of 1% of the OBW) for measuring the out-of-band emissions without a requirement to integrate the result over the full reference bandwidth.

A.6.2 Measurement result

Only worst case result is given below

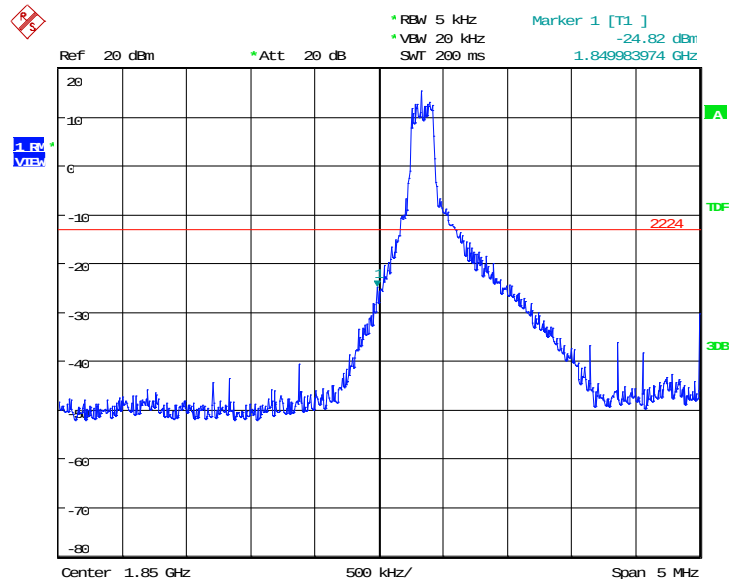
LTE band 2

OBW: 1RB-low_offset



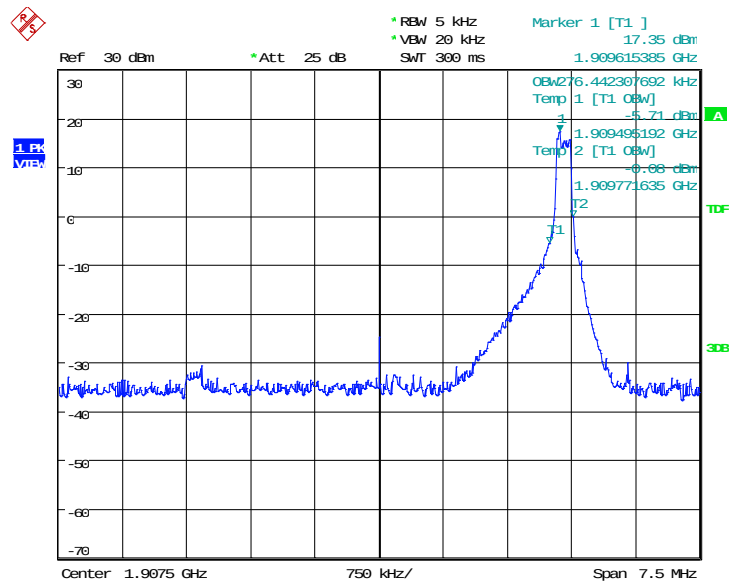
Date: 31.MAY.2019 17:17:55

LOW BAND EDGE BLOCK-1RB-low_offset



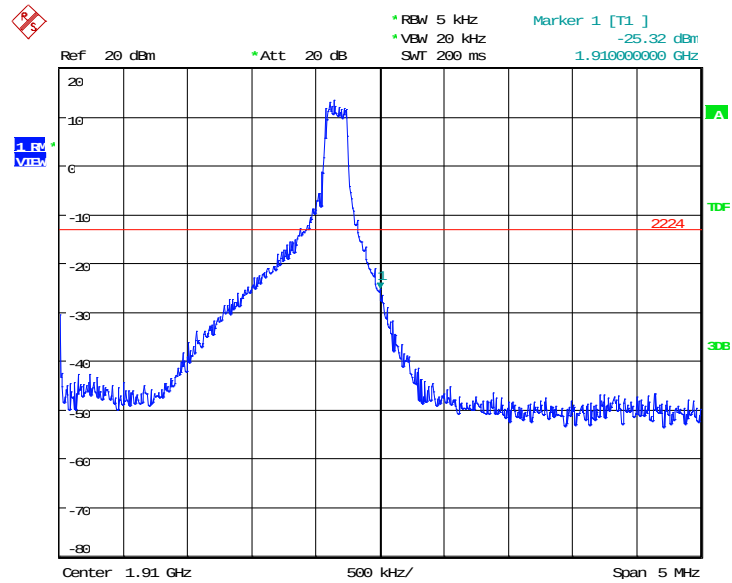
Date: 31.MAY.2019 17:18:39

OBW: 1RB-high_offset



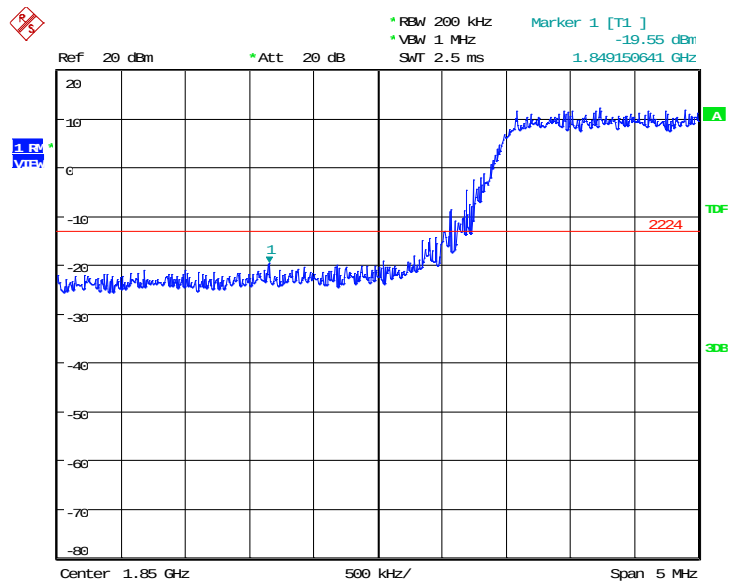
Date: 31.MAY.2019 17:03:47

HIGH BAND EDGE BLOCK-1RB-high_offset



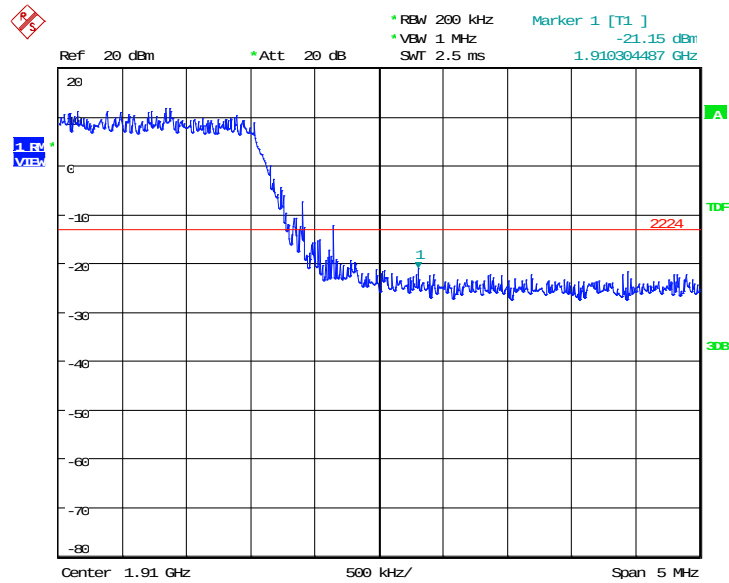
Date: 31.MAY.2019 17:04:31

LOW BAND EDGE BLOCK-20MHz-100%RB



Date: 31.MAY.2019 16:51:32

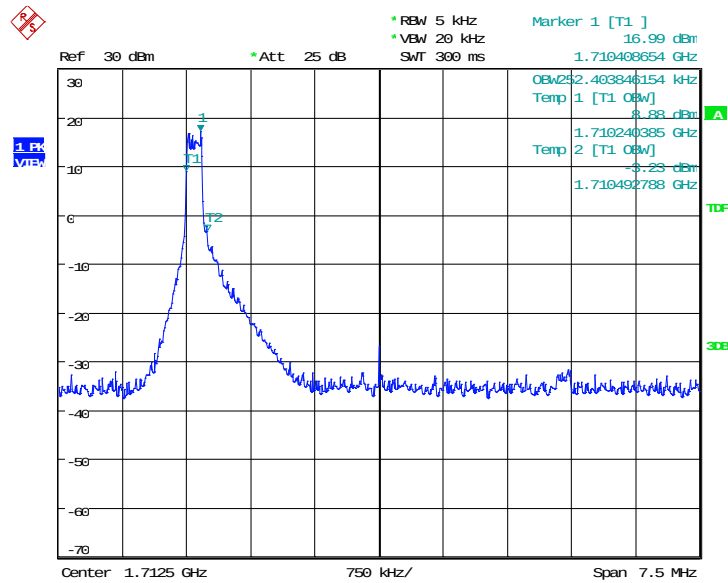
HIGH BAND EDGE BLOCK-20MHz-100%RB



Date: 31.MAY.2019 16:52:19

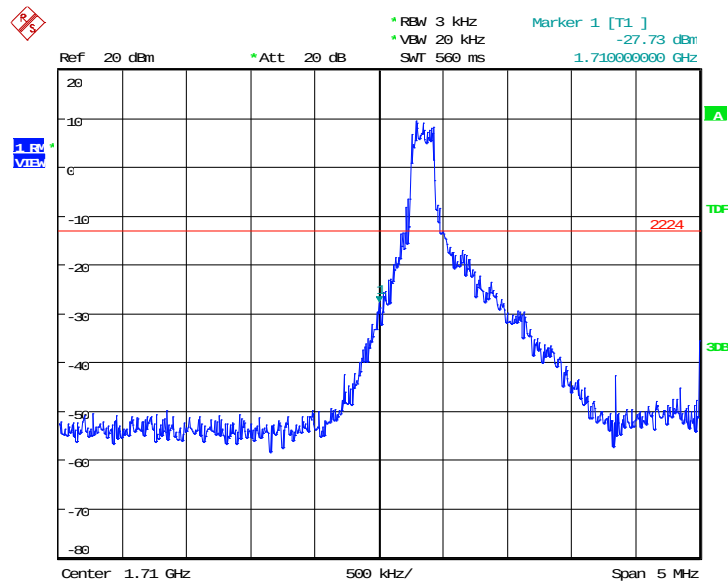
LTE band 4

OBW: 1RB-low_offset



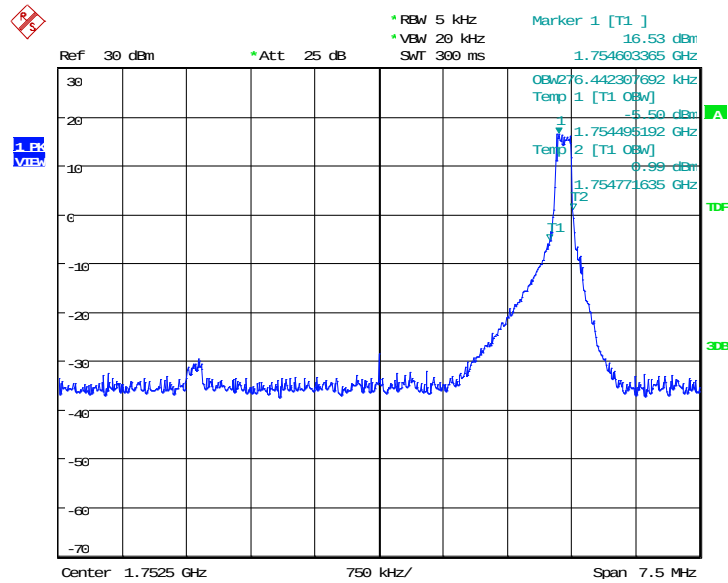
Date: 31.MAY.2019 17:19:37

LOW BAND EDGE BLOCK-1RB-low_offset



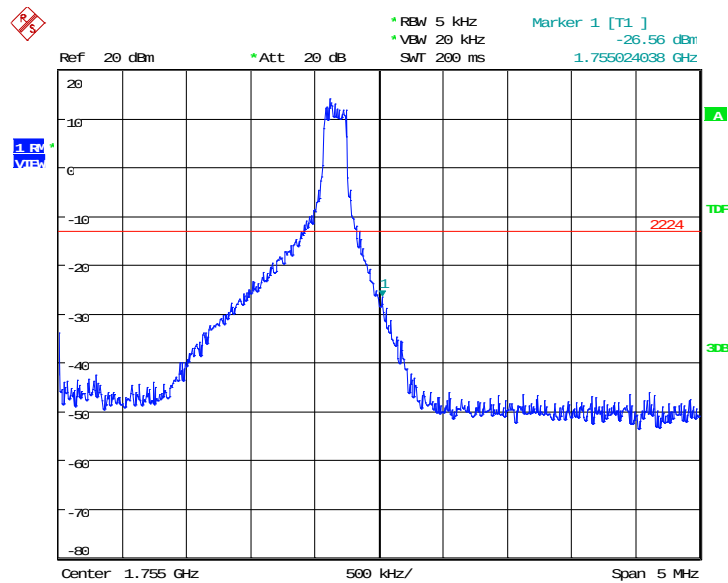
Date: 31.MAY.2019 17:20:21

OBW: 1RB-high_offset



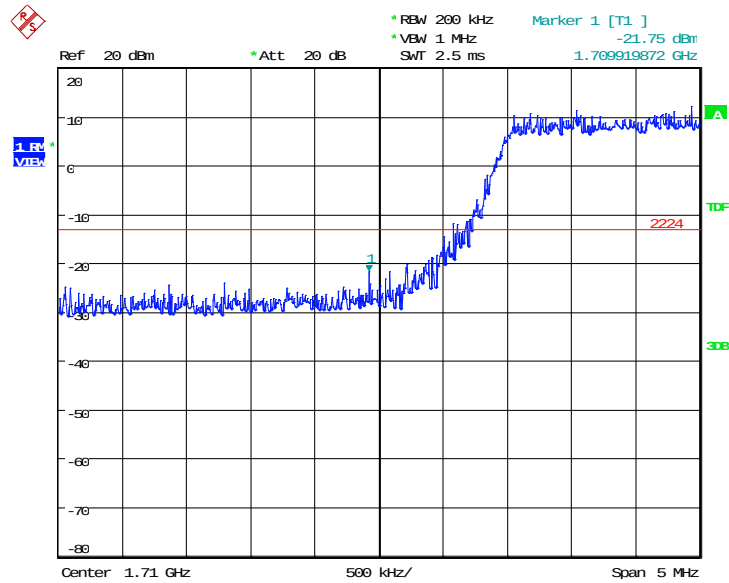
Date: 31.MAY.2019 17:05:29

HIGH BAND EDGE BLOCK-1RB-high_offset



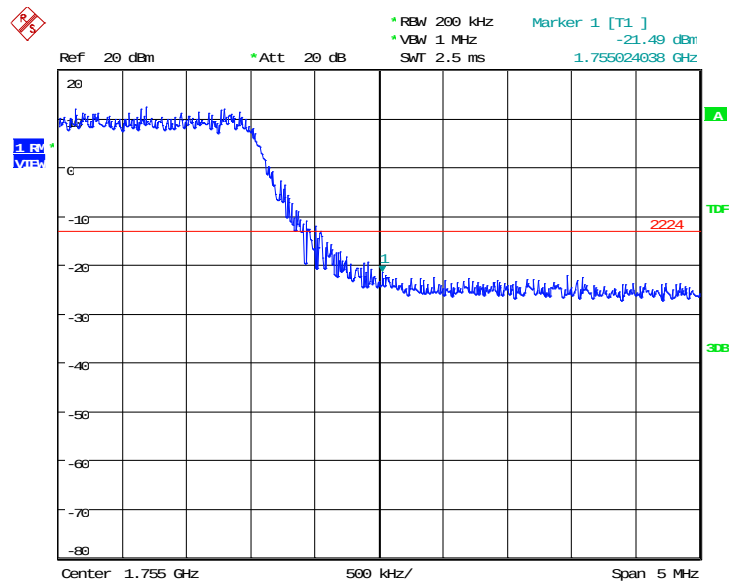
Date: 31.MAY.2019 17:06:13

LOW BAND EDGE BLOCK-20MHz-100%RB



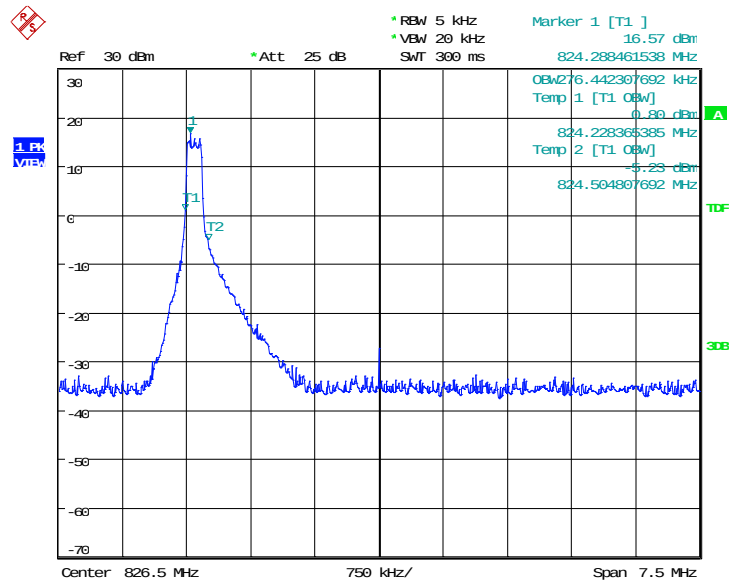
Date: 31.MAY.2019 16:53:11

HIGH BAND EDGE BLOCK-20MHz-100%RB



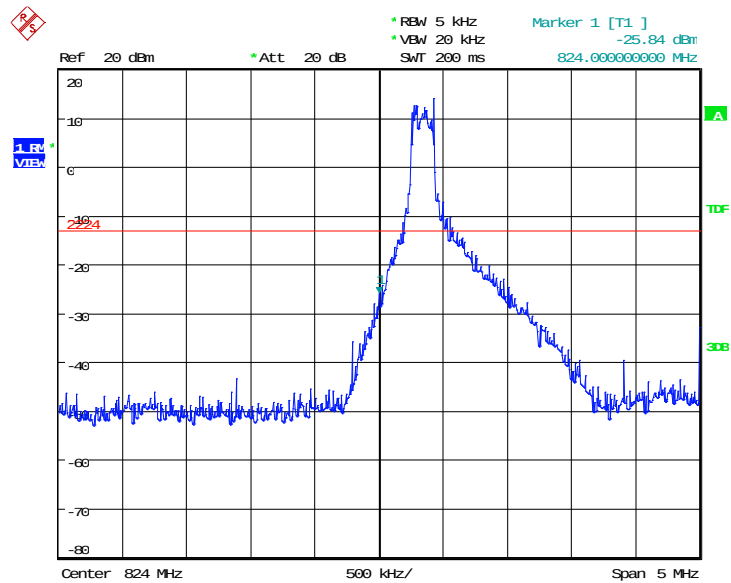
Date: 31.MAY.2019 16:53:57

LTE band 5 OBW: 1RB-low_offset



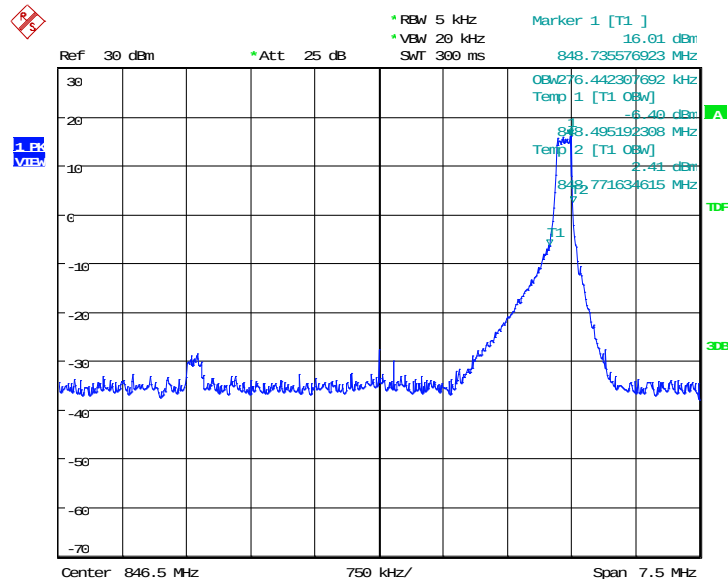
Date: 31.MAY.2019 17:16:15

LOW BAND EDGE BLOCK-1RB-low_offset



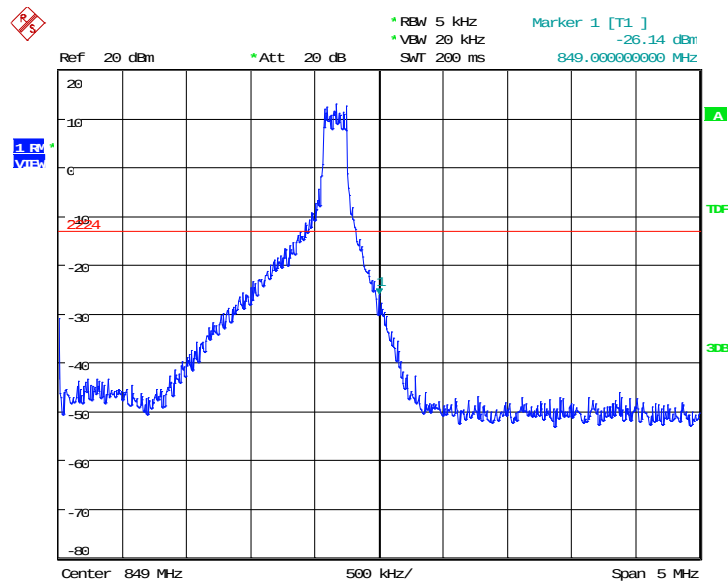
Date: 31.MAY.2019 17:16:59

OBW: 1RB-high_offset



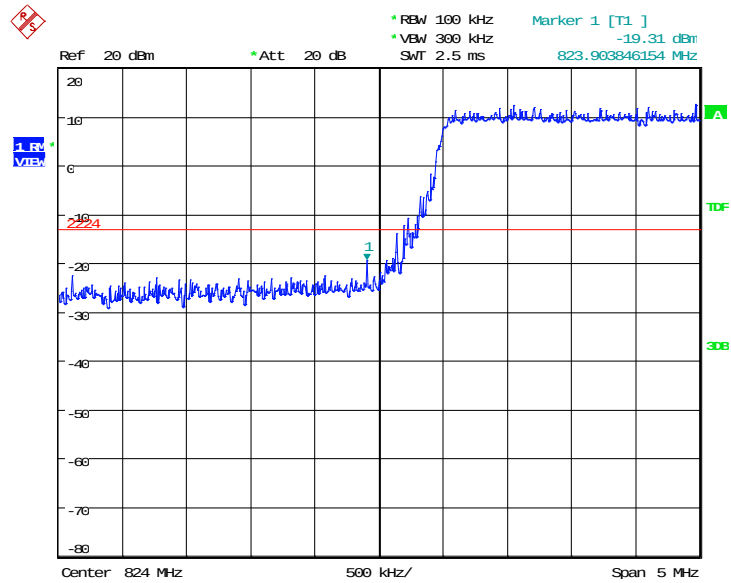
Date: 31.MAY.2019 17:02:07

HIGH BAND EDGE BLOCK-1RB-high_offset



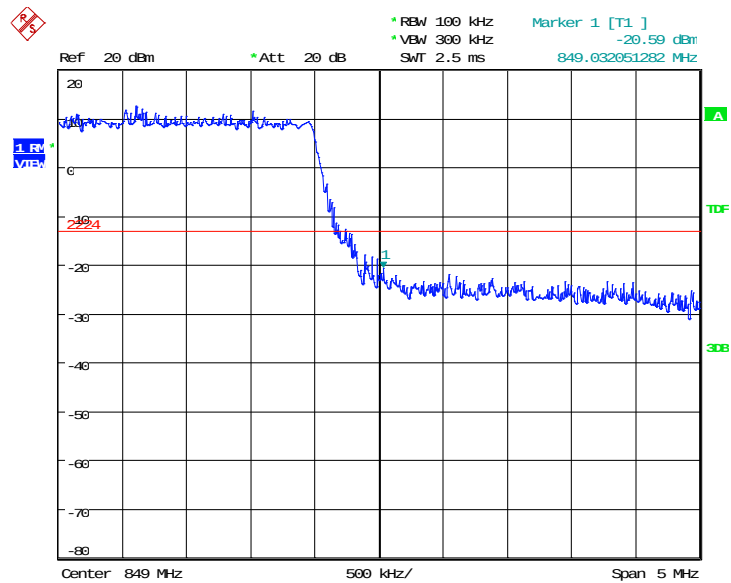
Date: 31.MAY.2019 17:02:51

LOW BAND EDGE BLOCK-10MHz-100%RB



Date: 31.MAY.2019 16:47:43

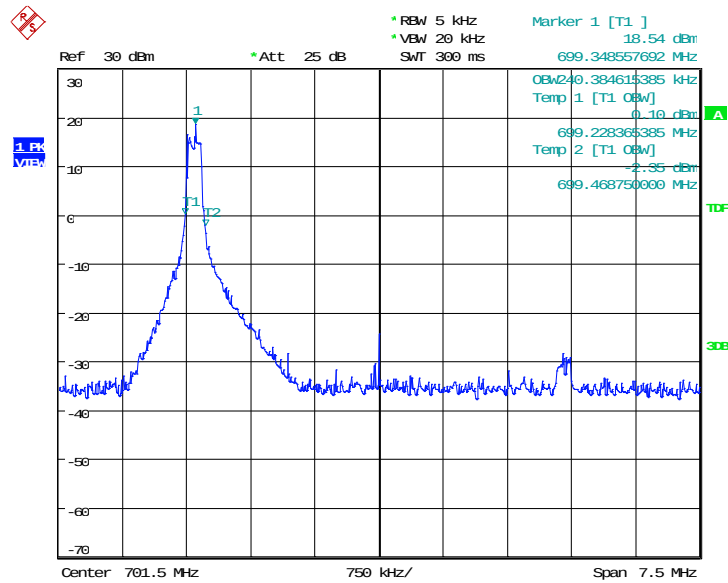
HIGH BAND EDGE BLOCK-10MHz-100%RB



Date: 31.MAY.2019 16:48:29

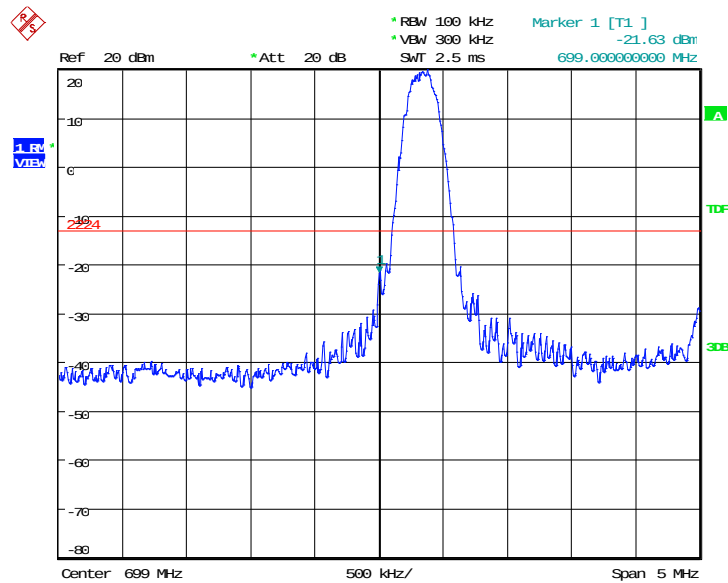
LTE band 12

OBW: 1RB-low_offset



Date: 31.MAY.2019 17:21:19

LOW BAND EDGE BLOCK-1RB-low_offset



Date: 31.MAY.2019 17:22:03